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Water Resources Data for Louisiana Water Year 1982. Volume 1. Central and Northern Louisiana

(U.S.) Geological Survey
Baton Rouge, LA

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National Technical Information Service
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DEPARTMENT OF THE INTERIOR
March 3 1849

STATE OF LOUISIANA
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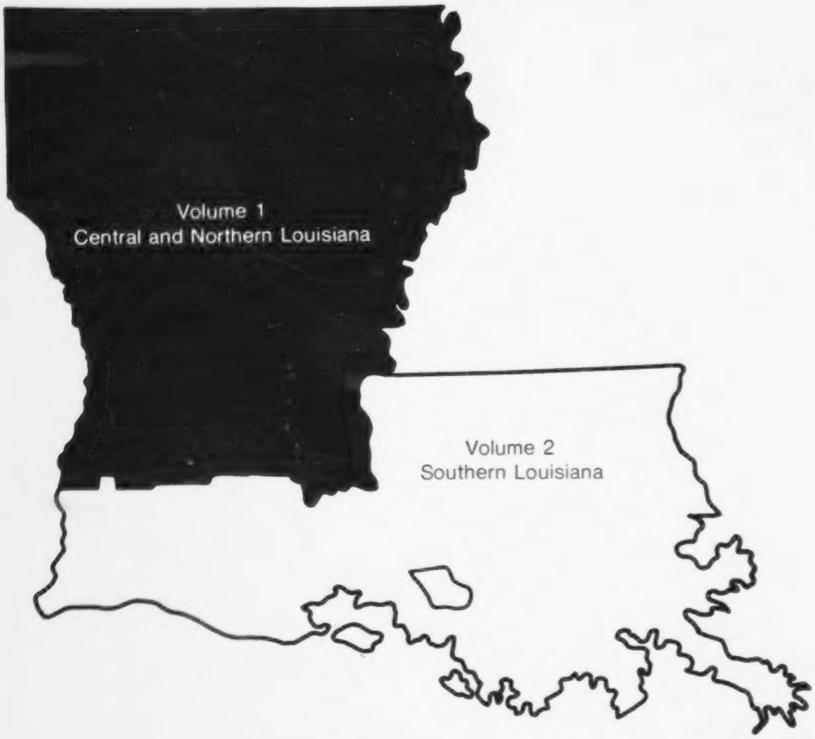
Water Resources Data Louisiana

Water Year 1982

Volume 1. Central and Northern Louisiana


Volume 1
Central and Northern Louisiana
Volume 2
Southern Louisiana

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-82-1
Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

REPRODUCED BY
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INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

CALENDAR FOR WATER YEAR 1982

1981

OCTOBER

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1982

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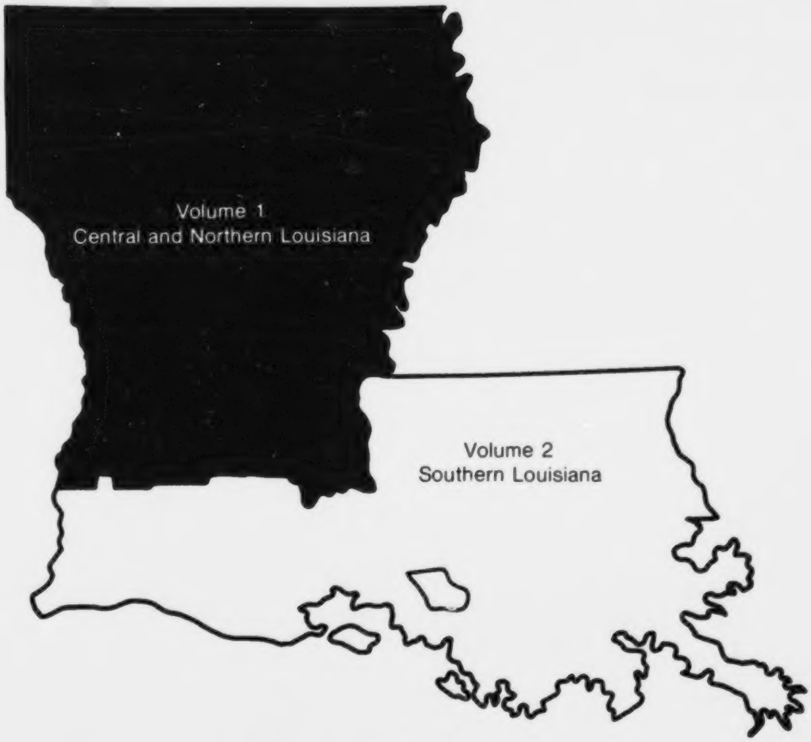
U.S. DEPARTMENT OF THE INTERIOR
March 3 1849

Water Resources Data Louisiana
Water Year 1982

Volume 1. Central and Northern Louisiana

by D.D. Carlson, G.R. Stallworth, L.J. Dantin, and C.G. Stuart


Volume 1
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U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-82-1
Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

JAMES G. WATT, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on the water program in Louisiana write to
District Chief, Water Resources Division
U.S. Geological Survey
P. O. Box 66492
Baton Rouge, LA 70896

1982

PREFACE

This volume of the annual hydrologic data report of Louisiana is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for Louisiana are contained in 2 volumes.

Volume 1. Central and Northern Louisiana
Volume 2. Southern Louisiana

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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Alton J. Dupuy
Ralph D. Lites
Robert O. Walsworth

Marie C. Chaisson and Mary M. Jordan typed the text of the report.

This report was prepared in cooperation with the State of Louisiana and with other agencies under the general supervision of D. D. Knochenmus, District Chief, Louisiana.

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Water resources data for the 1982 water year for Louisiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report, in two volumes, contains records for water discharge at 77 gaging stations (including stage for 65 of these stations); stage only for 64 gaging stations and 9 lakes; contents for 1 reservoir; water quality for 104 surface-water stations (including 31 gaging stations) 20 miscellaneous sites, and 8 lakes, and 223 wells; and water levels for 526 observation wells. Also included are data for 209 cres-stage and flood-profile partial-record stations. Additional water data were collected at various sites not involved in the systematic data-collection program, and are published as miscellaneous measurements. Records for a few pertinent stations in bordering states are also included in this report. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.

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INTRODUCTION

Water resources data for the 1982 water year for Louisiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report, in two volumes, contains discharge records for 77 gaging stations; stage record for 65 of these gaging stations; stage only for 64 gaging stations; contents for 1 reservoir; stage only for 9 lakes; water quality for 104 stations (31 of these at gaging stations), 20 miscellaneous sites, 8 lakes, and 223 wells; and water levels for 526 observation wells. Also included are data for 96 crest-stage partial-record stations and 113 flood-profile partial-record stations. Additional water data were collected at various sites, not involved in the systematic data-collection program, and are published as miscellaneous measurements and analysis. These data stations represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.

Records of discharge or stage of streams and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 604 South Pickett Street, Alexandria, VA 22304.

For water years 1961 through 1970, streamflow data were released by the Geological Survey in annual reports on a state-boundary basis. Water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a state-boundary basis. These official Survey reports carry an identification number consisting of the two-letter state abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report LA-82-1." Water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on page II or by telephone (504) 389-0281.

COOPERATION

The U.S. Geological Survey and organizations of the State of Louisiana have had cooperative agreements for the systematic collection of streamflow records since 1938, for ground-water levels since 1936, and for water-quality records since 1943. Organizations that assisted in collecting data through joint-funding agreements with the Survey are:

Louisiana Department of Transportation and Development, Paul J. Hardy, Secretary: Office of Public Works, I. F. "Jiff" Hingle, Assistant Secretary, and Office of Highways, Neil L. Wagoner, Assistant Secretary.

Louisiana Department of Natural Resources, Frank A. Simoneaux, Secretary: Water Pollution Control Division, J. Dale Givens, Administrator, and Office of Conservation, James H. Welsh, Chief of Surface Mining Division.

City of Baton Rouge and Parish of East Baton Rouge, Pat Screen, Mayor-President: Department of Public Works, William Addison, Director.

Sabine River Compact Administration, composed of Lamar E. Carroon, Federal Representative and Chairman; I. F. "Jiff" Hingle and Raymond J. Palmer for Louisiana; David V. Gardner, and J. M. Syler for Texas.

Capital Area Ground Water Conservation Commission, John B. Overmeyer, Chairman.

Assistance in the form of funds or services was provided by the Corps of Engineers, U.S. Army, the U. S. Department of Energy, the U.S. Environmental Protection Agency, and the National Park Service in collection of records for 40 stage and discharge stations and 85 water-quality stations published in this report.

Organizations that supplied data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Surface Water

Heavy rains in northwestern Louisiana and northeastern Texas caused runoff to be excessive in the Red River basin in October 1981. From October 6 to October 13, the accumulated rainfall at Denton, Tex., was 17.1 inches. At Shreveport, La., monthly rainfall was 2.73 inches above normal. The monthly average flow for the index station, Red River at Alexandria, reflected this rainfall and was 2.5 times the October long-term-average runoff. The monthly average flow for Paw Paw Bayou near Greenwood, La., was seven times the long-term-average runoff for October. In southwestern Louisiana, the Calcasieu River near Oberlin was deficient in flow during October. The monthly average flow was 56 ft^3/s, 20-percent of the monthly long-term-average runoff, of 255 ft^3/s.

Flow in the Red, Atchafalaya, and Mississippi Rivers continued to be above normal in November. Red River at Alexandria had a monthly average flow of 62,800 ft^3/s, three times the long-term-average runoff of 17,510 ft^3/s. The instantaneous maximum for the 1982 water year for Red River at Alexandria occurred in November and was 107,000 ft^3/s. The State was deficient in rainfall at most stations. This was reflected in average runoff for the month at most index stations approaching record lows. The deficient flow experienced in November continued into December and January. Saline Bayou near Lucky had an average flow for December of 20.5 ft^3/s. This equalled the record average low flow for December that occurred in 1944. Calcasieu River near Oberlin had the third lowest average flow for the months of both December and January for 47 years of record. The December low flow was 112 ft^3/s, 5 percent of the long-term-average runoff, which is 1,390 ft^3/s. Also, Bayou Toro near Toro and Bayou Macon near Delhi experienced near long-term-average low flows during December and January. Rainfall at most reporting stations during these months was below the monthly normal by approximately 3 inches.

Some relief came in February as excessive rainfall occurred in the Florida Parishes. Rainfall at the Bogalusa station was 3.84 inches above the monthly normal. This was reflected in the above average runoff for the Amite and Pearl River index stations, which had 145 and 105 percent of their long-term-average flows, respectively.

Above average runoff in the Pearl River basin continued into March. On March 31, the station at Bogalusa had a 24-hour rainfall of 5.08 inches. At other stations in the State, streamflows decreased. Bayou Macon near Delhi had the third lowest average flow of record during March and the Calcasieu River near Oberlin had the second lowest average flow of record and the second lowest minimum daily-mean discharge of 135 ft^3/s during March. The record daily minimum for March is 120 ft^3/s and occurred in 1954.

The Mississippi River at Baton Rouge reached its 1982 annual peak on April 8, an elevation of 31.5 feet (NGVD). Rainfall in some areas of the State produced days of excessive flow at a number of index stations during April. Annual maximums for the 1982 water year occurred at a number of index sites. Calcasieu River near Oberlin had an average monthly flow of 1,720 ft^3/s that was the largest percent (95) of monthly long-term-average runoff for any month since July 1981. Bayou Toro near Toro had an average flow for April of 418 ft^3/s that was two times the long-term-average runoff. This was the fifth largest April average flow. Rainfall in the Sabine River basin at Logansport was 5.15 inches above the monthly normal and included a maximum 24-hour rainfall of 4.92 inches on April 17.

Streamflow decreased statewide during May with near record lows at some index stations. In the northern part of the state, Big Creek at Pollock had the fourth lowest average flow of record in May, 16.9 ft^3/s. The record low May mean is 9.3 ft^3/s and occurred in 1963. Saline Bayou near Lucky and Bayou Macon near Delhi had the fifth lowest average flow of record, an indication of the below normal rainfall in northern Louisiana. Ruston reported a deficit rainfall of 5.06 inches and Winnfield a deficit of 4.55 inches for the month of May.

In June, northeastern Louisiana had significantly above-normal rainfall. In particular, Winnsboro had 6.65 inches and Monroe had 4.83 inches above the normal June rainfall. Saline Bayou near Lucky in north central Louisiana had a record monthly minimum of 5.4 ft^3/s. In southern Louisiana, index sites on the Amite River and Pearl River had daily-mean discharges in the deficit range.

Bayou Macon near Delhi had the lowest minimum flow for July, 18 ft^3/s, during 47 years of record. The previous minimum flow for July was 20 ft^3/s in 1954. Bayou Toro had the second lowest July minimum flow of record, 2.3 ft^3/s; average flow for the month was only 10 percent of the long-term-average runoff. Saline Bayou near Lucky had the second lowest August average flow of record, 6.27 ft^3/s. The record average low flow for August is 4.76 ft^3/s and occurred in 1954.

According to newspaper reports, the 12-hour rainfall on September 12 at Delhi was 13 inches, and the 12-hour rainfall at Tallulah was 14 to 15 inches. These rains resulted from tropical storm "Chris", which swept through Louisiana on September 12. The heaviest rainfall was confined to the northeast corner of the State and was approximately 8 inches above the normal monthly rainfall. Bayou Macon near Delhi had a maximum instantaneous flow on September 13 of 4,050 ft^3/s, which is less than a 2-year flood. Tensas River near Tendal had an instantaneous maximum discharge of 3,600 ft^3/s from the storm on September 13, a little greater than a 5-year flood. Saline Bayou near Lucky, which is 90 miles west of Delhi, had a record minimum daily flow on September 1, 2, 9, and 10, Of 3.2 ft^3/s, compared to the previous minimum of 3.6 ft^3/s which occurred in in 1954.

Saltwater from the Gulf of Mexico moves into the Mississippi River channel during periods of low flow. On October 14 and 20, 1981, the saltwater wedge was at mile 32.0 (near Port Sulphur). This was the maximum upstream position detected during the year. The toe, or leading edge, of the wedge is generally well defined when the discharge is decreasing, making it rather easy to monitor the position and rate of advancement as it moves upstream by making depth profiles of specific conductance. The boundary of the saltwater wedge in the river is defined as the depth at which the specific conductance reaches 5,000 micromhos per centimeter.

In the Mississippi River at New Orleans, dissolved-oxygen concentrations ranged from 5.0 to 13.9 mg/L, water temperatures ranged from 3.0 to 30.5°C, and pH ranged from 7.0 to 7.7 units during the water year. All measured values met the limits for water quality criteria as set forth by the State of Louisiana. The criteria are 5.0 mg/L for dissolved oxygen, 32.0°C for temperature, and 6.5 to 9.0 units for pH.

GROUND WATER

Hydrographs of many wells screened in the Sparta Sand of northern Louisiana and the Miocene aquifers of central Louisiana continued to show regional water-level declines caused by industrial and public-supply pumpage. Generally, the rates of decline ranged from 1/2 to 2 1/2 feet per year during the 1982 water year. In some wells water levels were at lows of record at the end of the year. Water levels in wells screened in the Wilcox-Carrizo and Cockfield aquifers indicated normal seasonal fluctuations. Levels in wells screened in the terrace and alluvial aquifers were affected by deficient precipitation. In wells in the alluvial aquifer, water levels were generally lower than normal during most of the year. Levels in wells screened in the terrace aquifer respond to long-term excesses or deficiencies in precipitation. At the end of the 1982 water year, the level in well G-127B, key observation well screened in the terrace aquifer, was at its lowest level since March 1973.

Water-level trends in wells in the Chicot aquifer of southwestern Louisiana were generally mixed in the rice-growing area, but levels were substantially higher in the industrial area of Calcasieu Parish. In Calcasieu Parish at the end of the water year, water levels were 5 to 23 feet higher in wells in the "500-foot" sand and averaged about 4 1/2 feet and 10 feet higher in wells in the "200-foot" and "700-foot" sands, respectively. The rising water levels reflect reduced industrial pumping caused by cutbacks in industrial production and the use of imported water from the Sabine River Diversion Canal. Irrigation pumping, in the rice-growing area in Acadia and St. Landry Parishes, caused water levels to be generally 1 to 4 feet lower than last year . In the other rice-growing parishes, water levels were generally 1 to 10 feet higher than last year. In some wells screened in the Chicot aquifer near Sweet Lake in Cameron Parish and near the mouth of the Vermilion River in Vermilion Parish, chloride concentrations increased 10 to 20 mg/L this year. These increases reflect the effects of irrigation pumpage, but do not indicate a serious saltwater-encroachment problem at this time. In the industrial area of Calcasieu Parish where water levels are rising as a result of significantly reduced pumping, chloride concentrations are declining, particularly in wells in the "500-foot" sand. Chloride concentrations in wells in the "700-foot" sand continued to increase in the southern part of the Lake Charles area.

In wells in the Evangeline aquifer in St. Landry Parish, water levels typically were 1 to 2 feet higher than they were last year at Opelousas, and averaged 1 foot lower near Eunice. During the water year, levels in the key well at Eunice reached record-monthly lows during 7 of the 12 months.

In the Baton Rouge area, water levels in wells in the shallow aquifers continued their gradual rising trend of the past few years; spring levels in wells in the "400-foot" and "600-foot" sands were 3 to 12 feet higher than 1981 spring maxima. Record high levels occurred in 9 of 12 wells screened in the "600-foot" sand in late spring and early summer. For the "1,500-foot" sand, record-low levels were recorded for 6 of 11 wells at the beginning of the water year. Due to a decrease in industrial pumping, water levels have risen in wells in the "1,200-foot", "2,000-foot", "2,400-foot", and "2,800-foot" sands. Rises of 1 to 13 feet occurred in observation wells in the "1,200-foot" sand during the water year. In wells in the "2,000-foot" sand, 1982 spring levels were as much as 24 feet higher than levels recorded on corresponding dates in 1981. Since April 1981, water levels in wells screened in the "2,400-foot" sand have risen 2 to 16 feet. During the past year, levels in wells in the "2,800-foot" sand generally have risen 1 to 3 1/2 feet.

Saltwater encroachment has been detected in several aquifers of the Baton Rouge area, but encroachment in the "600-foot" and "1,500-foot" sands has been of the greatest concern. Encroachment in the "600-foot" sand has slowed significantly in recent years, and no evidence of additional encroachment has been detected recently. In contrast, water from a monitor well (EB-807A) in the "1,500-foot" sand in south Baton Rouge shows a continuing sharp rise in chloride concentration, indicating northward movement of salty water toward several well fields used for public supply. Individual monitor wells in the "1,000-foot", "1,200-foot", "2,000-foot", and "2,600-foot" sands have shown evidence of probable saltwater encroachment, but saltwater fronts in these sands are still distant from pumping centers.

In the New Orleans area and the area between Baton Rouge and New Orleans, water levels in observation wells in the Gramercy and Norco aquifers were higher because the average stage of the Mississippi River was higher in 1982 than in 1981. Spring levels were 1 to 8 feet higher than levels recorded at the same time last year. In wells in the Gonzales-New Orleans aquifer, water levels continued the rising trend of the past several years. Due to a decrease in pumping, levels in the downtown New Orleans area were 1/2 to 2 feet higher than levels of spring 1981.

Monitoring of salt-water encroachment in the Gonzales-New Orleans aquifer in the New Orleans area indicates a slow northward migration of salty water toward pumping centers in northern and eastern Orleans Parish. Samples from well Or-130, near the southern end of the Industrial Canal, showed an increase in chloride concentration from 300 to 330 mg/L from 1974 to 1981.

In the Florida Parishes, water levels in wells screened in the shallow sands (Upper and Lower Ponchatoula and Big Branch aquifers) have shown little net change during the past year. In the intermediate sands (Abita, Covington, Kentwood, Slidell, and Tchefuncta aquifers), levels have declined 1 to 5 feet since the spring and summer of 1981. The long-term declining trend of levels in wells in the deep sands (Amite, Hammond, Ramsay, and Franklinton aquifers) has continued this year, with levels declining as much as 7 feet since mid-1981. Lows of record occurred in 5 of 17 wells in the deep sands during the 1982 water year.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch-pound units to International System of metric units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often grouped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials. NOTE: The letter "K" preceding a value indicates the results are based on colony count outside the ideal range.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms that produce colonies within 24 hours when incubated at 35°C ± 0.5°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all the organisms that produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on MFC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found in the intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies with 48 hours at 35°C ± 1.0°C on M-enterrococcus medium (STORET CODE 31679), or on KF agar (STORET CODE 31673). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by micro-organisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry-mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in g/m^3 (grams per cubic meter), and periphyton and benthic organisms in g/m^2 (grams per square meter).

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as for ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry and ash mass, and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Recoverable from bottom material refers to the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Cells/volume refers to the number of cells on any organism that is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons or 2,447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll *a* and *b* are the two most common pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of salt water.

Cubic feet per second (FT^3/S, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment), that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved refers to that material in a representative water sample which passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Diversity index is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = -\sum_{i=1}^{s} \frac{n_i}{n} \log_2 \frac{n_i}{n}$$

Where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Diversity-index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river above the specified point. Figures of drainage area given herein include all closed basins, or noncontribution area, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water.

Elutriate is the supernatant resulting from the vigorous 30-minute shaking of 1 part bottom sediment with 4 parts water from the proposed disposal site followed by 1 hour of letting the mixture settle and appropriate filtration or centrifugation.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Hydrologic unit is a geographic area representing part or all of a surface-drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Land-surface datum (LSD) is a datum plane that is approximately at land surface at each well.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per gram (Mg/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per kilogram (Mg/kg) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (kilogram) of sediment.

Micrograms per liter (Mg/L) is a unit expressing the concentration of chemical constituents in solution. Micrograms per liter represent the mass of solute per unit volume (liter) of water.

Milligrams per liter (MG/L, mg/L) is a unit expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based on the mass of sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (mL) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology.

The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay..........	0.00024 - 0.004	Sedimentation.
Silt..........	.004 - .062	Sedimentation.
Sand..........	.062 - 2.0	Sedimentation or sieve.
Gravel........	2.0 - 64.0	Sieve.

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

Percent composition is a unit expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, mass or volume.

Pesticides are chemical compounds used to control the growth of undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

Insecticides are substances or a mixture of substances intended to prevent, destroy, or repel insects. The technical names for insecticides determined in this report are:

Aldrin 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-endo, exo-1,4:5,8-dimethanonaphthalene.

Chlordane 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan.

DDD (combination of ortho and para isomers)

o,p'-DDD 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,

p,p'-DDD 1,1-dichloro-2,2-bis(p-chlorophenyl)ethane.

DDE (combination of ortho and para isomers)

o,p'-DDE 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethylene,

p,p'-DDE 1,1-dichloro-2-bis(p-chlorophenyl)ethylene.

DDT (combination of ortho and para isomers)

o,p'-DDT 1,1,1-trichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,

p,p'-DDT 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane.

Diazinon 0,0-diethyl 0-2-isopropyl-4-methyl-6-pyrimidyl thiophosphate.

Dieldrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,exo-1,4:5,8-dimethanonaphthalene.

Endosulfan 1,4,5,6,7,7-hexachloro-5-norbornene-2,3-dimethanol cyclic sulfite.

Endrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,endo-1,4:5,8-dimethanonaphthalene.

Ethion 0,0,0',0'-tetraethyl S,S'methylenediphosphorodithioate.

Heptachlor 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene.

Heptachlor epoxide 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methanoindan.

Lindane 1,2,3,4,5,6-hexachlorocyclohexane, 99 percent or more of gamma-isomer.

Malathion S-(1,2-dicarbethoxyethyl) 0,0-dimethyldithiophosphate.

Methyl parathion 0,0-dimethyl 0-p-nitrophenyl phosphorothioate.

Methyl trithion phosphorodithioic acid S-[[(4-chlorophenyl) thio]-methyl] 0,0-dimethyl ester.

Methoxychlor 1,1,1-trichloro-2,2-bis(p-methoxyphenyl)ethane.

Mirex 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H-cyclobuta[cd]pentalene.

Parathion 0,0-diethyl 0-p-nitrophenyl phosphorothioate.

Perthane 1,1'-(2,2-dichloroethylidene)bis[4-ethylbenzene].

Toxaphene chlorinated camphene containing 67-69 percent chlorine by weight.

Trithion phosphorodithioic acid S-[[(4-chlorophenyl)thio] methyl] 0,0-diethyl ester.

Herbicides are substances or a mixture of substances intended to control or destroy any vegetation. The technical names for herbicides determined in this report are:

2,4-D (2,4-dichlorophenoxy)acetic acid.

2,4,5-T (2,4,5-trichlorophenoxy)acetic acid.

Silvex 2-(2,4,5-trichlorophenoxy)propionic acid.

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.2 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Polychlorinated napthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated napthalene compounds having various percentages of chlorine.

Runoff in inches (IN., in.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mean concentration times 0.0027.

Suspended-sediment load is the quantity of suspended sediment passing a section in a specified period.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour period.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in micromhos per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lived.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lived.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplified the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S.G.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of the total concentration in a water-sediment mixture. The water-sediment mixture is associated with (or sorbed on) that material retained on a 0.45-micrometer membrane filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less that 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour period.

Total refers to the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sedimemt mixture and that the analytical method determines all of the constituent in the sample.)

Total load (tons) is the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge, times the mean concentration of the constituent, times the factor 0.0027, times the number of days.

Total recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion precedures are likely to produce different analytical results.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata is the following:

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	Hexagenia
Species	Hexagenia limbata

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to State annual basic-data reports published before 1975; since 1975, abbreviated as WDR (Water-Data Report).

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8 to 14-digit number for each station such as 02489500000000, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6 to 12-digit downstream order number "489500000000". Records in this report, in two volumes, are in Part 2 (South Atlantic Slope and Eastern Gulf of Mexico basin), Part 7 (Lower Mississippi River basin) and Part 8 (Western Gulf of Mexico basin).

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8 to 14-digit downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See figure 1, following. In Louisiana, wells are further identified by a local well number that consists of a letter code that identifies the parish (county) in which the well is located, followed by a serial number assigned when the well was inventoried.

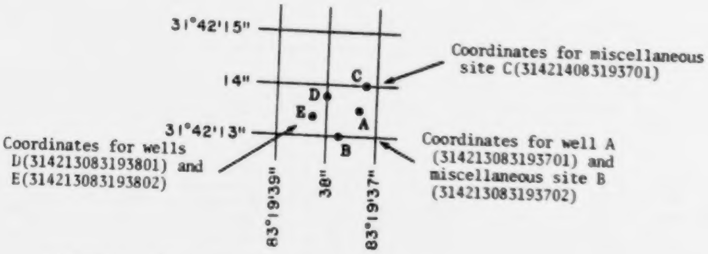
31°42'15"
14"
31°42'13"
C
D
E
A
B
Coordinates for miscellaneous site C(314214083193701)
Coordinates for wells D(314213083193801) and E(314213083193802)
Coordinates for well A (314213083193701) and miscellaneous site B (314213083193702)
83°19'39"
38"
83°19'37"

Figure 1. System for numbering wells and miscellaneous sites (latitude and longitude)

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

National stream-quality accounting network (NASQAN) is a data-collection network designated by the U.S. Geological Survey to meet many of the demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Tritium network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

The base data collected at gaging stations consist of records of stage and measurements of discharge for streams or canals; and stage, surface area, and contents for lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph or a tape punched at selected time intervals of the stage fluctuations . Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard text-books, in Water-Supply Paper 888, and in the U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

For a reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys, the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations, there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily mean discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily mean discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River milage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which the figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revisions, the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of report.

The type of gage currently in use, the datum of the present gage referred to National Geodetic Vertical Datum, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE". National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS."

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow at the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than five complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with "EXTREMES FOR THE CURRENT YEAR"; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively, for the month. Discharge for the month also may by expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the discharges for the calendar and water years.

Footnotes to the table of daily mean discharge are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs, a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in three tables. The first is a table of annual maximum stage and discharge at crest-stage stations, the second is a table of discharge measurements at miscellaneous sites, and the third is a table of peak elevations at flood-profile partial-record stations.

Accuracy of Field Data and Computed Results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily mean discharges are within 5 percent; "good", within 10 percent; and "fair" within 15 percent. "Poor" means that daily mean discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effect of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Data Available

Information of a more detailed nature than that published for most of the gaging stations such as observations of water temperatures, discharge measurements, gage-height records, and rating tables is on file in the district office. Also, most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

Records of Discharge Collected by Agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected during the water year at sites in Louisiana by the Corps of Engineers, U.S. Army. The National Water Data Exchange, Water Resources Division, U.S. Geological Survey, National Center, Reston, VA 22092, maintains an index of such sites. Information on records available at specific sites can be obtained upon request.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analyses usually are collected at or near gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives periods of record for the various types of water-quality data (chemical, specific conductance, water temperatures, sediment discharge), extremes of pertinent data, and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, date of sampling, and geologic unit (aquifer) are given in the table containing the chemical analyses of the ground water.

Water Analysis

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" listed on a following page.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of alkalinity in the laboratory.

For chemical-quality stations equipped with digital recorders and monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharge.

At stations where recording instruments are used, either mean temperatures or maximum and minimim temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers or point samplers. Samples usually are obtained along several vertical lines in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements for the particle-size distribution of the suspended sediment and bed material are included.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Collection of the Data

Ground-water-level data from the State network of observation wells are published herein. This basic network contains observation wells so located that significant areal data are obtained from the most important aquifers.

Each well is identified by (1) a 15-digit number that is based on latitude and longitude and (2) a local well number that identifies the well within an individual parish (county). See figure 1.

Measurements are made in many types of wells, under varying conditions of access, depth to water, temperature; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to land-surface datum (LSD). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above National Geodetic Vertical Datum of 1929 (NGVD) is given in the well description. Altitudes with zeros in the tenths and hundredths columns are interpolated from topographic maps and are generally accurate only to about 1-5 feet. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equiped with recording gages are reported for every fifth day, the end of each month, and for dates when check measurements were made.

Water levels are reported to as many signifigant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or to the nearest foot. In the computer format used in this report, zeros shown in the hundredths column generally indicate measurements accurate only to tenths.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens,Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.
5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

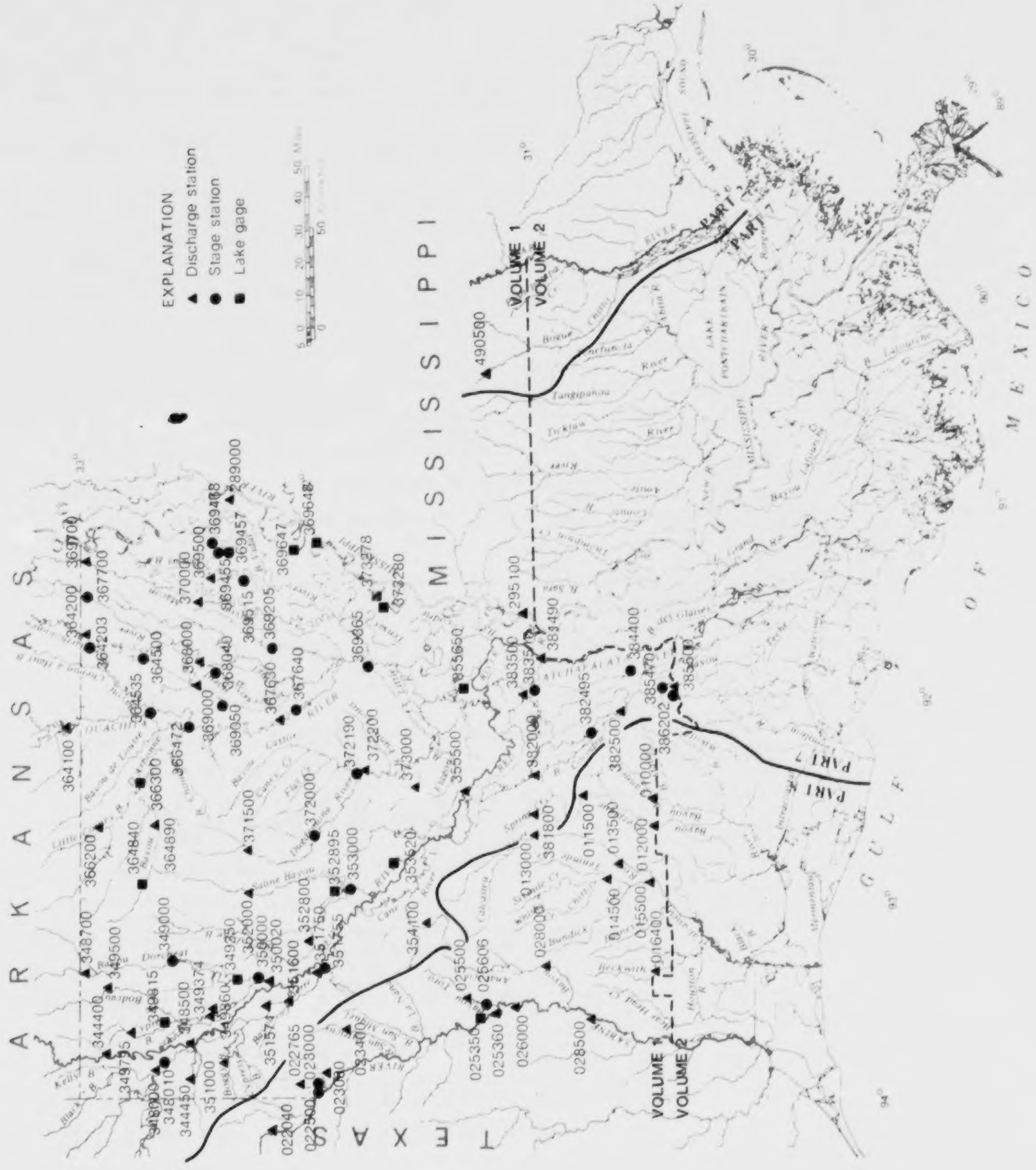
EXPLANATION
▲ Discharge station
● Stage station
■ Lake gage
0 10 20 30 40 50 Miles
0 50 Kilometers
ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
VOLUME 1
VOLUME 2
PART 7
PART 8
33°
32°
31°
30°
29°
94°
93°
92°
91°
90°
89°
LAKE PONTCHARTRAIN
MISSISSIPPI RIVER
ATCHAFALAYA RIVER
OUACHITA RIVER
RED RIVER
SABINE RIVER
Tangipahoa River
Tickfaw River
Amite River
Bogue Chitto
Pearl River
Bayou Teche
Bayou Lafourche
Calcasieu River
Mermentau River
Vermilion River
Bayou Bartholomew
Boeuf River
Bayou D'Arbonne
Bayou Dorcheat
490500
295100
364100
364200
364203
364500
364535
366200
366300
366472
364840
364890
367700
369700
369000
369050
369500
370000
371500
372000
372190
372200
373000
353000
352895
352800
352000
351750
349500
349000
348700
344400
349600
349615
349374
349350
348500
348010
348000
344450
351000
351600
351574
350000
350020
350200
022765
023000
023040
023000
022040
023400
025350
025360
025500
025606
026000
028000
028500
013000
011500
013500
014500
015500
016400
012000
010000
381800
382000
382495
382500
383500
384400
385470
386202
386300
355500
355650
354100
353620
369205
369515
369457
369455
369488
369647
369648
373278
373280
367630
367640
368040
369365
289000

Figure 2.--Location of continuous gaging stations.

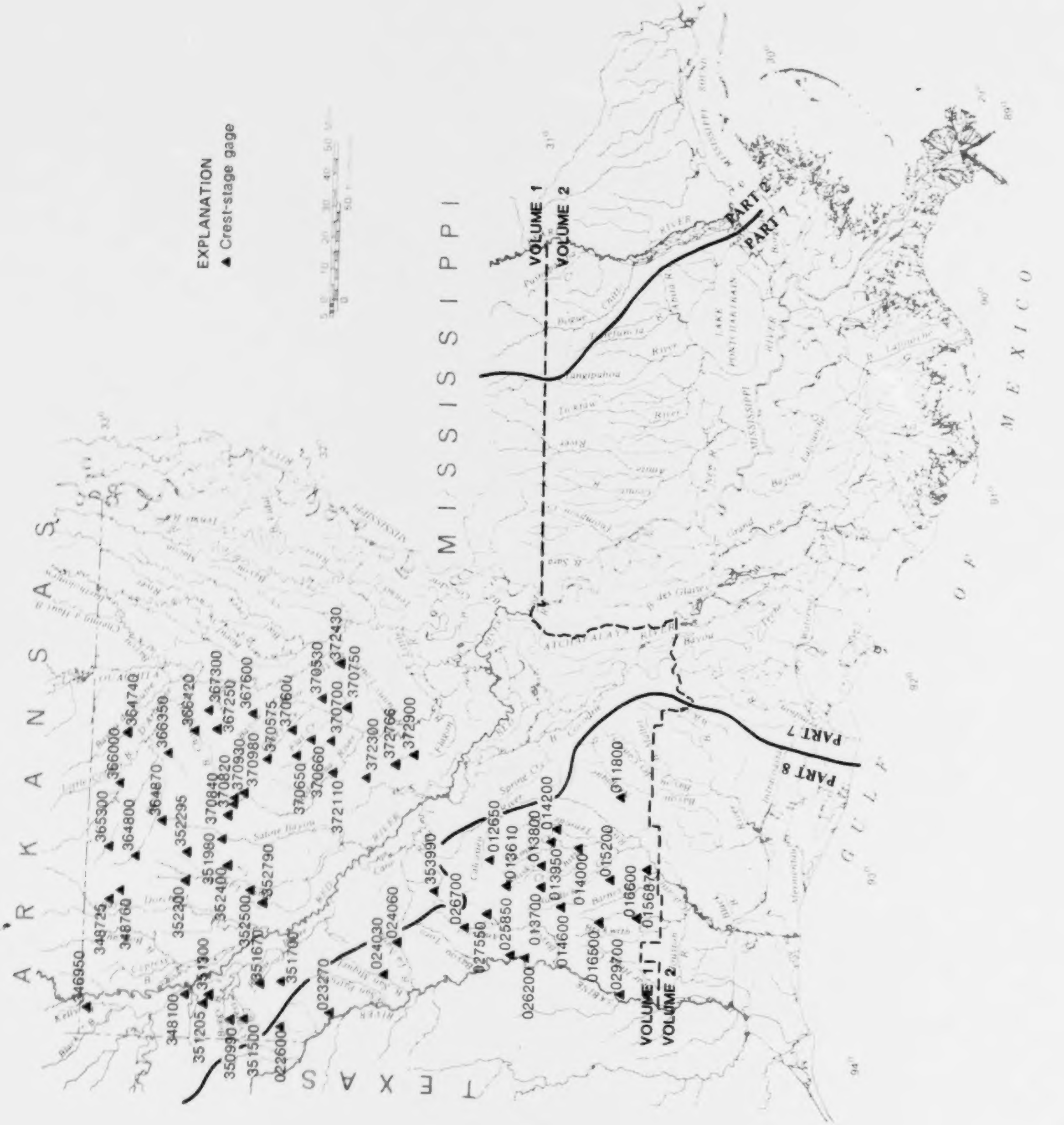
EXPLANATION
▲ Crest-stage gage
ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
VOLUME 1
VOLUME 2
PART 6
PART 7
PART 8
346950
348725
348760
348100
351205
351300
350990
351500
351670
351700
352300
352500
352400
352790
351980
352295
364870
364800
365300
366000
364740
366350
366420
367300
367250
367600
370840
370820
370930
370980
370575
370600
370650
370660
370530
370700
372430
370750
372110
372300
372766
372900
022600
023270
024030
024060
026700
353990
027550
025850
012650
013610
013800
014200
013700
013950
014000
015200
014600
016500
016600
015687
029700
026200
011800

Figure 3.--Location of crest-stage stations.

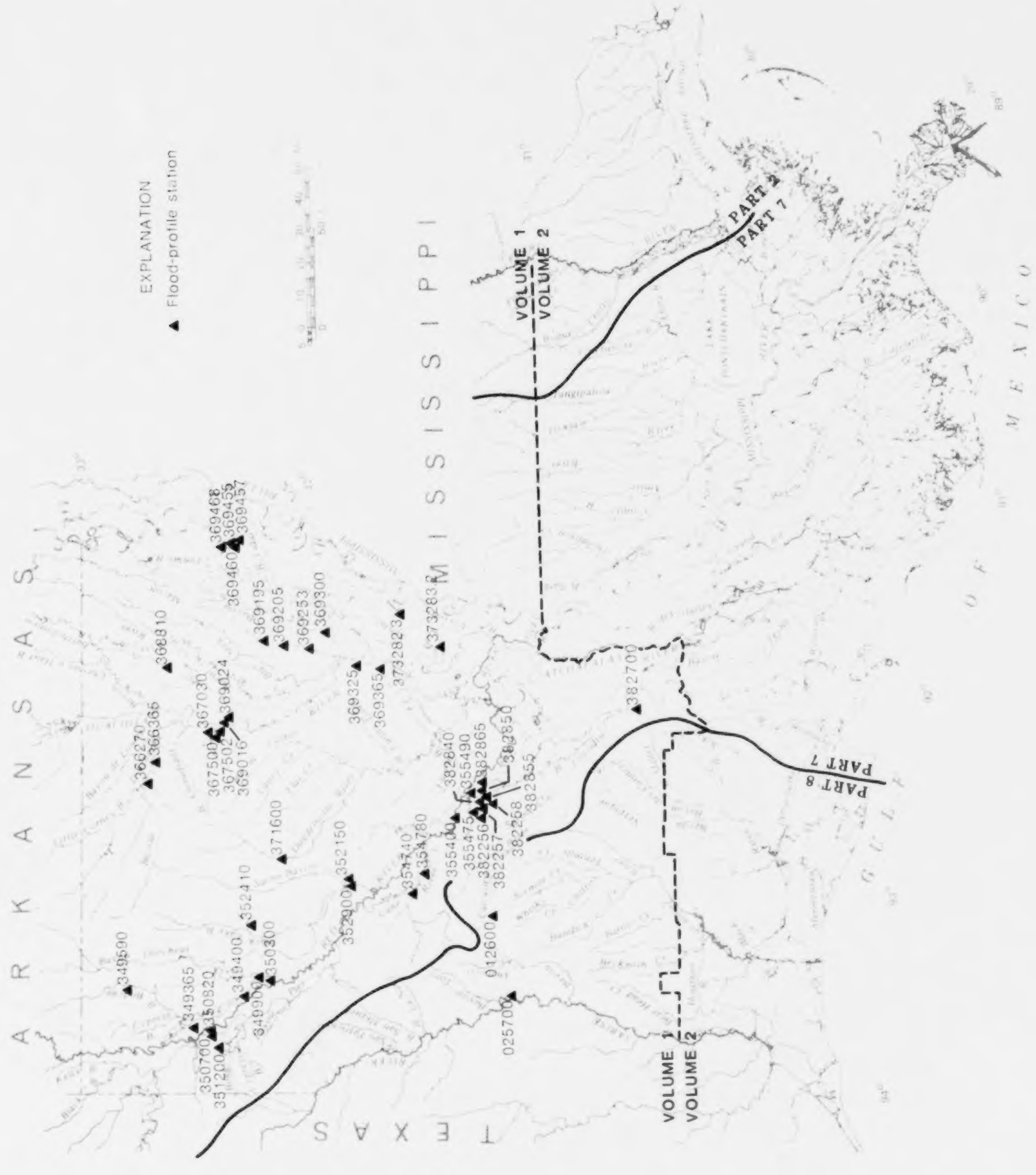
EXPLANATION
▲ Flood-profile station
ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
VOLUME 1
VOLUME 2
PART 2
PART 7
PART 8
349590
349365
350700
351200
350820
349400
349900
350300
352410
371600
352150
352000
354740
354780
355400
355475
382256
382257
382640
355490
382865
382850
382268
382855
012600
025700
366270
366365
366810
367500
367502
369016
367030
369024
369460
369466
369455
369457
369195
369205
369253
369300
369325
369365
373282
373283
382700
Tangipahoa
Pontchartrain
Mississippi

Figure 4.--Location of flood-profile stations.

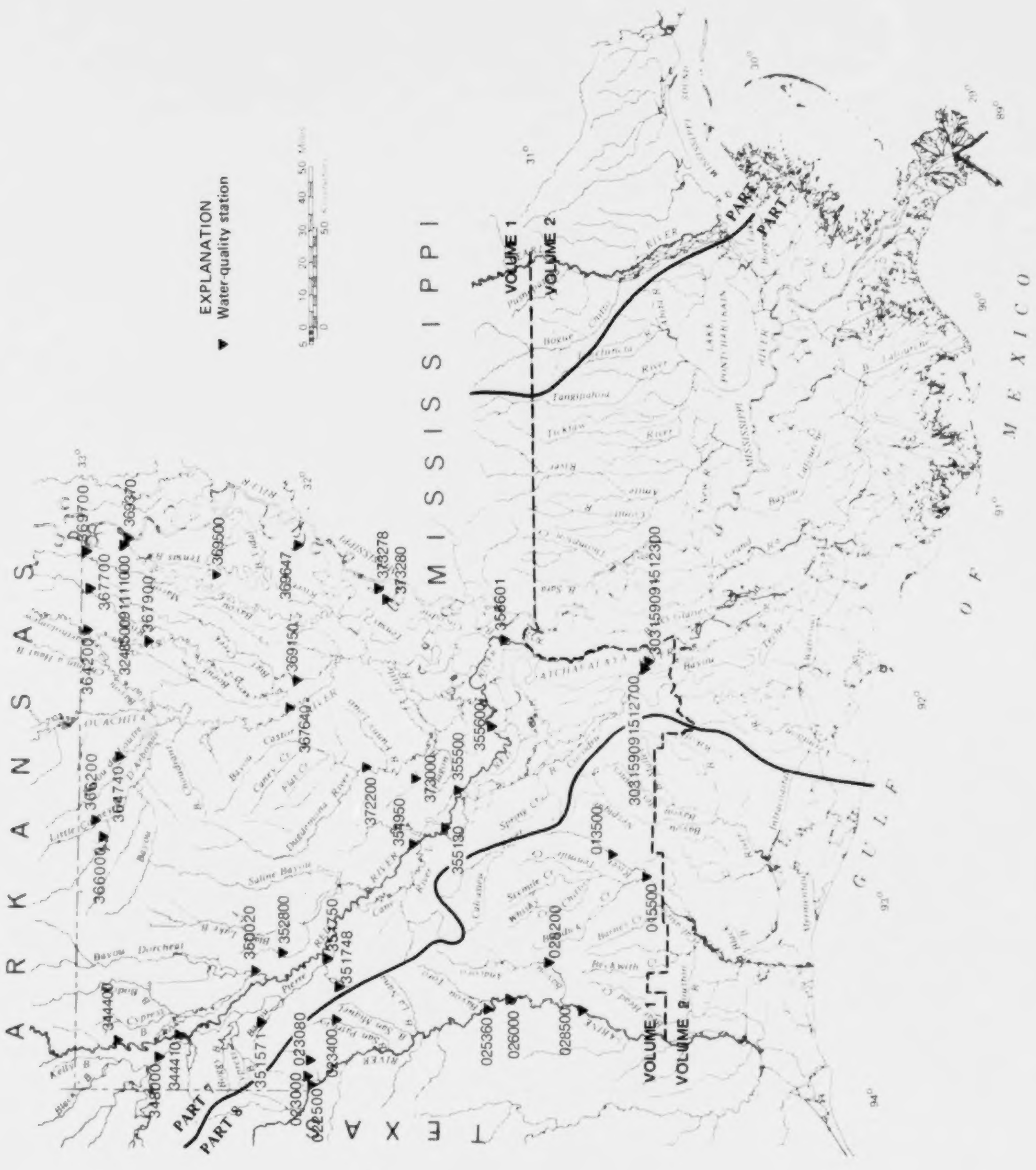
ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
EXPLANATION
▼ Water-quality station
VOLUME 1
VOLUME 2
PART A
PART B
366000
366200
364740
364200
367700
369700
369270
367900
324850091111000
369500
369647
373278
373280
369150
367640
372200
373000
355500
355600
358601
303159091512300
303159091512700
344400
350020
352800
351750
351748
351571
344410
348000
023000
022500
023080
023400
025360
026000
028500
028200
015500
013500
355130
354950
ARKANSAS
OUACHITA
RIVER
ATCHAFALAYA
LAKE PONTCHARTRAIN
MISSISSIPPI RIVER
31°
30°
29°
32°
33°
89°
90°
91°
92°
93°
94°

Figure 5.--Location of water-quality stations.

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington meridian, Warren County, Hydrologic Unit 08060100, over cavity of fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 mi (2.4 km) downstream from Yazoo diversion canal, and at mile 430.4 (692.5 km).

DRAINAGE AREA.--1,136,500 mi^2 (2,943,500 km^2), approximately. The 4,000 mi^2 (10,400 km^2), approximately, in the Great Divide basin in southern Wyoming is not included.

PERIOD OF RECORD.--Discharge: January 1928 to September 1981 (see NOTE). Prior to July 1931, monthly discharge only, in WSP 1311. Gage heights: April 1930 to September 1980 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30 ft or 9.14 m only, since December 1949), and since September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; and since 1967, referred to gage 1.1 mi (1.8 km) upstream in reports of Corps of Engineers. Since May 1873, in reports of National Weather Service.
Extremes of stage intermittent 1828-71 and continuous since 1871; extremes of discharge for various years, 1858, to 1926 and continuous since 1926; annual mean discharges since 1871, and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

REVISED RECORDS.--WSP 747: Drainage area.

GAGE.--Water-stage recorder (bridge gage) maintained by the Geological Survey. Supplementary water-stage recorder on left bank at site 1.1 mi (1.8 km) upstream maintained by Corps of Engineers. Datum of gage is 46.22 ft (14.088 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers datum) or 46.16 ft (14.070 m) above mean Gulf level. See WRD LA-1969 or WRD MS-1973 for history of changes prior to water year 1970 and for history of gages used by the various data-collecting agencies. All gages at same datum, but readings differ due to slope of water surface between them.

REMARKS.--Natural flow of stream affected by many reservoirs and navigation dams.

COOPERATION.--Supplementary gage-height record and records of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--53 years (water years 1929-81), 573,900 ft^3/s (16,250 m^3/s), 415,800,000 acre-ft/yr (513 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,080,000 ft^3/s (58,900 m^3/s) Feb. 17, 1937; maximum gage height, 53.2 ft (16.22 m) Feb. 21, 1937; minimum discharge, 99,400 ft^3/s (2,820 m^3/s) Nov. 1, 1939; minimum gage height, -7.02 ft (-2.140 m) Feb. 3, 1940 (ice jam above).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1871, 58.4 ft or 17.80 m (Corps of Engineers gage on Yazoo diversion canal) approximately 56.0 ft (17.07 m) May 4, 1927 (Geological Survey gage).

EXTREMES FOR CURRENT YEAR.--Water year 1981: Maximum daily discharge, 956,000 ft^3/s (27,100 m^3/s) June 2; minimum daily, 160,000 ft^3/s (4,530 m^3/s) Jan. 29.

NOTE.--Records for the 1982 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

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LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	319000	230000	318000	201000	170000	540000	311000	661000	950000	764000	569000	339000
2	320000	239000	316000	200000	186000	558000	321000	656000	956000	734000	580000	331000
3	324000	243000	315000	196000	195000	571000	334000	629000	948000	726000	595000	325000
4	324000	245000	317000	192000	205000	597000	340000	593000	929000	714000	612000	318000
5	320000	249000	318000	187000	220000	630000	342000	548000	893000	708000	636000	311000
6	311000	251000	319000	178000	237000	693000	344000	500000	869000	697000	653000	310000
7	303000	255000	320000	170000	250000	712000	350000	477000	848000	680000	661000	317000
8	298000	256000	320000	171000	268000	730000	365000	470000	843000	660000	652000	345000
9	297000	258000	320000	179000	288000	727000	374000	466000	847000	637000	637000	370000
10	292000	260000	319000	188000	315000	713000	373000	470000	858000	618000	614000	408000
11	295000	255000	317000	185000	346000	691000	372000	481000	872000	612000	592000	428000
12	294000	248000	316000	179000	390000	664000	375000	486000	897000	620000	568000	433000
13	293000	240000	314000	171000	438000	640000	384000	492000	915000	659000	540000	441000
14	284000	237000	310000	169000	443000	609000	399000	494000	926000	671000	520000	447000
15	278000	230000	307000	168000	428000	580000	419000	482000	929000	672000	503000	443000
16	260000	234000	310000	165000	398000	544000	426000	471000	932000	650000	488000	431000
17	244000	236000	325000	167000	379000	520000	421000	473000	933000	623000	471000	409000
18	239000	239000	350000	168000	376000	490000	404000	487000	934000	593000	452000	379000
19	226000	242000	373000	163000	377000	458000	401000	501000	934000	560000	437000	360000
20	218000	245000	375000	179000	380000	435000	409000	520000	925000	530000	421000	346000
21	205000	250000	380000	170000	378000	409000	430000	542000	912000	500000	403000	332000
22	203000	258000	379000	170000	377000	380000	477000	567000	903000	480000	402000	327000
23	204000	262000	365000	169000	379000	360000	519000	590000	892000	468000	396000	320000
24	216000	269000	345000	169000	385000	348000	553000	629000	878000	459000	393000	315000
25	221000	275000	330000	169000	411000	339000	572000	684000	861000	450000	389000	307000
26	225000	282000	305000	169000	427000	330000	591000	789000	843000	453000	388000	297000
27	235000	295000	285000	167000	456000	322000	601000	845000	834000	491000	387000	288000
28	234000	301000	262000	163000	490000	315000	640000	891000	819000	510000	384000	278000
29	233000	306000	248000	160000	---	309000	658000	916000	805000	524000	377000	270000
30	230000	314000	220000	161000	---	308000	663000	930000	787000	539000	366000	260000
31	228000	---	200000	162000	---	307000	---	945000	---	552000	344000	---
TOTAL	8171000	7704000	9798000	5400000	9589000	15829000	13168000	18684000	26671000	18554000	15430000	10485000
MEAN	263600	256800	316100	174200	342500	510600	438900	602700	889000	598500	497700	349500
MAX	324000	314000	380000	201000	490000	730000	663000	945000	956000	764000	661000	447000
MIN	203000	230000	200000	160000	170000	307000	311000	466000	787000	450000	344000	260000
AC-FT	16210000	15280000	19430000	10710000	19020000	31400000	26120000	37060000	52900000	36800000	30610000	20800000

CAL YR 1980 TOTAL 194335000 MEAN 531000 MAX 1370000 MIN 200000 AC-FT 385500000
WTR YR 1981 TOTAL 159443000 MEAN 436900 MAX 956000 MIN 160000 AC-FT 316300000

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.40	4.60	7.50	2.50	-.30	16.40	7.20	22.40	31.20	27.40	19.40	9.80
2	10.50	4.70	8.00	2.20	.30	17.60	7.50	22.30	31.20	27.20	20.00	9.50
3	10.50	5.40	8.30	1.80	1.00	18.80	8.00	21.80	31.00	26.80	20.70	9.10
4	10.20	6.10	8.80	1.20	2.00	19.80	8.00	21.00	30.70	26.30	21.40	8.80
5	9.60	6.40	9.10	1.00	2.70	21.40	8.20	20.00	30.30	25.70	22.10	8.60
6	9.30	6.40	9.30	.60	3.50	22.50	8.60	19.00	29.90	25.20	22.80	9.00
7	9.20	6.30	9.50	.60	4.30	23.20	9.00	18.00	29.90	24.50	23.20	9.70
8	9.30	6.30	9.30	.60	5.20	23.60	10.00	16.90	30.20	24.10	23.10	10.50
9	9.00	6.20	8.90	.70	6.50	23.60	10.80	16.00	30.50	23.60	22.60	11.70
10	8.80	6.00	8.20	.90	8.20	23.40	11.00	15.50	30.90	23.20	21.90	12.60
11	8.30	5.90	7.80	.70	10.20	22.90	10.60	15.40	31.40	22.90	20.80	13.40
12	8.00	5.70	7.90	.50	11.80	22.20	10.60	15.70	31.80	22.90	19.40	13.90
13	7.80	5.50	8.10	.10	12.80	21.40	11.30	16.10	32.20	23.20	18.20	14.10
14	7.60	5.20	8.20	-.30	13.10	20.50	12.00	16.50	32.50	23.60	17.50	14.40
15	7.40	4.90	8.10	-.50	12.70	19.70	12.50	16.30	32.50	23.80	17.60	14.10
16	7.00	4.50	8.00	-.30	11.90	19.00	12.90	15.90	32.50	23.70	16.40	13.50
17	6.10	4.90	8.20	-.40	11.20	18.00	12.80	15.50	32.40	23.10	16.10	12.80
18	5.50	4.90	9.90	-.40	10.60	17.00	12.40	15.60	32.20	22.00	15.70	11.80
19	5.20	5.00	11.30	-.40	10.30	15.90	12.10	16.50	32.20	20.70	15.00	10.80
20	4.80	5.50	12.00	-.50	10.10	14.50	12.20	17.50	32.20	19.20	14.50	10.60
21	4.30	6.50	12.00	-.60	10.20	13.00	13.00	18.50	32.20	17.70	13.60	9.30
22	4.30	6.80	11.20	-.70	10.30	11.80	14.50	19.10	32.10	16.50	13.30	8.90
23	4.30	6.90	10.30	-.80	10.30	10.50	16.30	20.00	31.80	15.40	13.00	8.70
24	4.00	7.00	9.10	-.90	10.40	9.20	17.90	21.50	31.40	15.20	12.70	8.10
25	4.30	7.10	8.00	-.90	10.70	8.50	19.30	23.60	31.00	15.40	12.30	7.60
26	4.80	7.50	7.00	-.80	11.70	8.00	20.10	25.90	30.80	15.50	12.00	7.40
27	4.70	7.90	6.10	-.80	13.30	7.80	20.90	27.70	30.30	16.20	11.80	7.00
28	5.00	8.00	5.60	-.80	15.10	7.50	21.50	29.30	29.70	16.80	11.30	6.50
29	4.90	8.00	4.70	-.70	---	7.20	22.00	30.10	29.00	17.60	10.80	6.20
30	4.90	8.00	3.70	-.70	---	7.20	22.40	30.60	28.20	18.40	10.30	5.60
31	4.90	---	2.90	-.60	---	7.00	---	31.00	---	19.00	10.00	---
MAX	10.50	8.00	12.00	2.50	15.10	23.60	22.40	31.00	32.50	27.40	23.20	14.40
MIN	4.00	4.50	2.90	-.90	-.30	7.00	7.20	15.40	28.20	15.20	10.00	5.60

07344400 RED RIVER NEAR HOSSTON, LA

LOCATION.--Lat 32°53'35", long 93°49'20", in SE1/4SW1/4 sec.16, T.22 N., R.14 W., Bossier-Caddo Parish line, Hydrologic Unit 11140202, near left bank on downstream side of bridge on State Highway 2, 1.8 mi (2.9 km) downstream from Dry Bayou, and 3.2 mi (5.1 km) east of Hosston.

DRAINAGE AREA.--57,041 mi^2 (147,736 km^2), of which 5,936 mi^2 (15,374 km^2) above Denison Dam is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to current year (daily gage heights and discharges below 5,000 ft^3/s or 142 m^3/s only).

GAGE.--Nonrecording gage read once daily. Datum of gage is 161.56 ft (49.243 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Feb. 20, 1962, water-stage recorder at same site and datum.

REMARKS.--Records fair. Regulation since July 1942 by Lake Texoma (capacity, 5,392,000 acre-ft or 6.65 km^3), since July 1953 by Texarkana Reservoir (capacity, 2,654,300 acre-ft or 3.27 km^3), and since August 1966 by Millwood Lake (capacity, 1,854,900 acre-ft or 2.29 km^3).

AVERAGE DISCHARGE.--11 years (water years 1958-68), 17,920 ft^3/s (507 m^3/s), 12,980,000 acre-ft/yr (16.0 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 214,000 ft^3/s (6,060 m^3/s) May 7, 1958, gage height, 27.89 ft (8.501 m); minimum daily, 803 ft^3/s (22.7 m^3/s) Sept. 16, 17, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.98 ft (6.090 m) June 20; minimum discharge, 2,130 ft^3/s (60.3 m^3/s) Oct. 14, gage height, 1.68 ft (0.512 m), from graph based on gage readings.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3400											---
2	3420											---
3	4100											---
4	4400											---
5	4330											---
6	4920											4350
7	---											4230
8	---											4350
9	4720											4420
10	4120											4520
11	3200											4420
12	2700											3900
13	2210											3220
14	2230											2630
15	2640											2430
16	---											2860
17	---											3540
18	---											3910
19	---											3900
20	---											3520
21	---											3560
22	---											4270
23	---											4810
24	---											---
25	---											---
26	---											---
27	---											4780
28	---											3100
29	---											2650
30	---											2660
31	---											---
TOTAL	---											---
MEAN	---											---
MAX	---											---
MIN	---											---

07344400 RED RIVER NEAR HOSSTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.34	17.74	7.11	4.02	8.43	7.18	6.64	5.12	17.50	18.72	7.55	3.83
2	2.37	17.91	7.10	3.96	10.02	8.57	6.75	4.68	17.64	18.03	7.35	3.56
3	2.70	18.19	7.21	3.90	13.12	10.49	6.63	4.37	17.95	17.03	7.41	3.54
4	2.82	18.84	8.83	3.75	14.49	10.80	6.88	4.35	18.23	17.18	8.62	3.52
5	2.81	19.36	10.52	3.66	14.73	10.75	7.37	4.40	18.33	17.79	9.71	3.30
6	3.08	18.99	10.30	3.60	14.95	10.34	7.74	4.16	18.38	18.04	9.35	2.82
7	3.27	18.19	9.29	3.54	15.14	9.88	9.33	3.84	18.62	17.56	8.48	2.76
8	3.17	17.72	8.29	3.82	14.71	9.57	9.90	3.57	18.63	17.00	7.40	2.82
9	2.94	17.70	7.01	3.90	14.31	9.48	8.65	3.45	18.38	16.64	6.87	2.85
10	2.71	17.71	6.34	3.92	13.78	9.37	7.90	3.57	18.57	16.55	6.61	2.90
11	2.28	17.29	5.92	4.15	13.05	9.02	7.28	3.75	18.75	16.70	6.59	2.85
12	2.00	17.35	5.62	4.38	12.34	8.88	6.34	3.88	18.80	16.82	6.25	2.60
13	1.73	17.54	5.30	4.42	11.82	8.50	5.69	4.30	18.83	16.78	5.93	2.27
14	1.74	16.18	5.02	4.54	11.21	7.80	4.88	4.98	18.78	16.22	5.65	1.96
15	2.08	13.45	4.91	5.00	10.58	7.17	4.49	11.60	18.58	15.91	5.55	1.85
16	3.33	13.50	4.79	5.47	10.12	6.82	4.65	16.38	18.96	15.48	5.48	2.09
17	7.05	13.75	4.62	5.60	9.78	7.03	4.42	17.42	19.05	13.97	5.35	2.43
18	9.44	12.37	4.45	5.64	9.54	7.91	4.28	17.78	19.29	12.40	5.11	2.61
19	14.23	11.35	4.22	5.28	9.23	8.45	4.23	16.30	19.72	11.01	4.92	2.62
20	16.81	10.57	4.15	4.72	9.22	9.17	4.88	15.06	19.97	10.48	4.92	2.42
21	16.85	10.02	4.10	4.72	9.70	9.60	6.57	15.49	19.39	10.04	4.77	2.44
22	16.91	9.78	4.02	4.38	10.29	8.70	6.99	16.48	18.72	9.78	4.52	2.78
23	16.86	9.55	4.38	3.91	10.08	7.41	6.19	17.08	18.37	9.67	4.60	3.03
24	16.83	9.13	5.08	4.13	9.14	5.92	5.31	17.01	18.54	9.50	4.61	3.18
25	17.11	8.67	5.41	5.52	8.79	5.11	4.58	17.25	18.73	9.28	4.17	3.32
26	17.29	8.34	5.09	6.91	7.78	5.50	4.15	17.65	18.75	9.07	3.92	3.19
27	17.18	4.70	4.70	7.41	7.00	5.55	4.22	17.87	18.67	8.65	3.80	3.02
28	17.06	7.88	4.42	8.58	6.78	5.24	4.99	18.22	18.70	8.22	3.57	2.21
29	17.38	7.65	4.68	8.65	---	5.00	5.66	18.40	18.63	8.00	3.35	1.97
30	17.58	7.41	4.62	8.58	---	5.33	5.45	18.27	18.72	7.79	3.14	1.98
31	17.65	---	4.20	8.30	---	6.05	---	17.78	---	7.65	3.57	---
MAX	17.65	19.36	10.52	8.65	15.14	10.80	9.90	18.40	19.97	18.72	9.71	3.83
MIN	1.73	4.70	4.02	3.54	6.78	5.00	4.15	3.45	17.50	7.65	3.14	1.85

07344400 RED RIVER NEAR HOSSTON, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1957 to current year.
WATER TEMPERATURES: March 1957 to current year.

REMARKS.--Temperature and specific conductance data for July, August, and September 1981 have been revised.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,030 micromhos June 24, 1978; minimum daily, 124 micromhos Apr. 24, 1979.
WATER TEMPERATURES: Maximum daily, 34.0°C July 12, 13, 21, 1969; minimum daily, 0.0°C Feb. 8, 1978.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,360 micromhos Oct. 3; minimum daily, 208 micromhos Feb. 13.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1170	---	598	812	257	237	466	566	360	406	---	800
2	1240	984	611	783	245	250	---	---	365	409	575	814
3	1360	1010	637	---	334	319	479	594	372	364	599	855
4	---	891	686	797	271	393	---	570	447	---	580	758
5	1270	685	416	784	232	362	428	592	488	474	469	---
6	---	685	---	784	217	279	316	629	---	483	396	665
7	1280	687	---	722	---	---	316	688	508	518	422	698
8	1280	---	360	696	235	250	355	683	517	526	---	741
9	1280	689	350	589	220	254	319	---	509	521	414	776
10	1240	666	367	---	213	244	296	667	510	545	360	799
11	---	597	423	560	211	240	---	693	537	---	485	828
12	1210	668	464	---	218	249	279	681	551	544	627	---
13	1170	556	---	---	208	217	260	776	---	531	621	852
14	1130	528	489	---	---	---	276	786	527	554	622	854
15	1080	---	531	569	212	300	426	463	534	558	---	884
16	1210	475	495	---	227	308	536	---	494	571	628	905
17	623	439	530	560	259	309	578	286	481	613	619	909
18	---	455	561	749	278	329	---	266	467	---	629	850
19	306	467	647	745	290	322	511	248	447	538	721	---
20	309	464	---	721	342	287	496	224	---	509	754	732
21	268	497	613	676	---	---	455	215	356	508	694	738
22	250	---	649	691	255	233	410	316	373	514	---	773
23	229	627	634	677	284	237	367	---	411	541	672	813
24	450	627	690	543	246	270	372	431	428	561	705	818
25	---	593	---	492	289	337	---	436	455	---	700	880
26	789	---	721	374	268	424	368	467	437	603	723	---
27	799	559	---	402	280	431	445	499	---	590	819	923
28	880	548	699	344	---	---	408	453	435	572	813	925
29	938	---	688	317	---	483	361	394	450	570	---	926
30	917	580	718	---	---	477	421	---	425	552	782	923
31	924	---	823	---	---	453	---	335	---	576	796	---

07344400 RED RIVER NEAR HOSSTON, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	11.5			---	20.0	26.0	26.5	---	---
2	---	18.0	---	---			---	---	---	27.0	---	---
3	---	---	---	---			17.0	21.0	26.0	28.5	35.0	---
4	---	---	---	9.5			---	21.0	26.5	---	---	28.5
5	---	18.5	---	---			---	21.0	26.5	---	---	---
6	---	---	---	---			---	---	---	---	---	---
7	---	16.0	---	---			---	---	26.0	---	---	---
8	---	---	---	---			---	20.5	---	28.5	---	---
9	---	15.5	13.0	8.5			---	---	---	29.0	29.5	---
10	---	---	---	---			17.0	22.0	26.5	28.5	---	26.5
11	---	---	---	---			---	---	---	---	---	---
12	21.0	---	---	---			17.0	---	26.0	---	---	---
13	---	---	---	---			---	---	---	---	---	28.0
14	---	15.5	---	---			20.0	---	---	29.0	29.5	---
15	---	---	9.0	---			20.5	22.0	---	---	---	---
16	---	---	---	---			---	---	---	29.5	29.0	---
17	---	---	---	---			---	20.5	25.5	---	---	26.5
18	---	---	---	6.0			---	---	---	---	---	29.0
19	---	---	5.5	---			20.5	---	25.5	---	---	---
20	---	12.0	---	---			---	21.0	---	---	30.5	---
21	---	13.0	---	---			19.5	21.0	25.0	---	30.5	---
22	19.5	---	---	---			---	23.5	25.5	30.0	---	---
23	---	14.0	---	---			---	---	---	---	29.5	23.5
24	---	14.5	---	9.0			14.0	22.0	25.5	30.0	---	---
25	---	---	---	---			---	24.5	---	---	---	---
26	---	---	---	---			---	22.0	---	---	---	---
27	---	---	---	---			20.0	24.5	---	29.5	---	---
28	---	14.0	10.0	---			20.5	---	---	30.0	29.0	---
29	18.0	---	---	---			20.5	25.5	---	26.5	---	---
30	---	15.0	---	---			20.5	---	---	---	---	---
31	19.0	---	12.0	---			---	25.5	---	---	29.0	---

07344400 RED RIVER NEAR HOSSTON, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	JUL	AUG	SEP
1	588	1210	1110
2	550	---	1160
3	543	1150	1190
4	525	1200	1220
5	---	1200	1120
6	522	1280	---
7	673	1170	950
8	440	1010	1100
9	389	---	1290
10	429	662	1140
11	430	583	1180
12	---	859	1170
13	246	747	---
14	208	1130	1110
15	222	1270	1080
16	278	---	1010
17	318	1140	893
18	368	1100	837
19	---	1150	786
20	418	1140	---
21	423	814	848
22	500	701	831
23	605	---	852
24	744	840	991
25	814	932	988
26	---	894	944
27	903	975	---
29	937	950	886
23	997	688	1100
30	1120	---	1190
31	1260	595	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	JUL	AUG	SEP
1	---	29.0	---
2	26.5	---	---
3	26.5	---	26.5
4	---	29.0	27.0
5	---	29.0	26.5
6	---	---	---
7	---	---	26.0
8	---	---	---
9	27.0	---	25.0
10	27.0	29.0	---
11	29.5	---	---
12	---	29.5	---
13	---	---	---
14	---	---	---
15	28.5	30.0	---
16	29.0	---	---
17	---	28.5	---
18	---	---	---
19	---	---	---
20	30.0	26.5	---
21	---	---	---
22	---	27.0	---
23	30.0	---	---
24	31.5	28.5	---
25	---	28.5	---
26	---	---	---
27	30.0	---	---
28	---	---	---
29	---	28.5	---
30	27.0	---	29.0
31	28.5	26.5	---

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)

LOCATION.--Lat 32°32'57", long 93°45'51", in lot 14, T.18 N., R.14 W., Caddo Parish, Hydrologic Unit 11140202, near right bank, 2.7 mi (4.3 km) northeast of Shreveport Courthouse, 4.9 mi (7.9 km) upstream from mouth of Cross Bayou, 5.4 mi (8.7 km) upstream from gaging station at Illinois Central Railroad bridge at Shreveport (station 07348500), and at mile 282.5 (454.5 km).

DRAINAGE AREA.--57,100 mi^2 (147,890 km^2) approximately, of which 5,936 mi^2 (15,374 km^2) above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1975, October 1976 to September 1977.
WATER TEMPERATURES: October 1974 to September 1975, October 1976 to September 1977.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,880 micromhos June 5, 6, 1977; minimum daily, 163 micromhos Mar. 17, 1977.
WATER TEMPERATURES: Maximum daily, 32.0°C July 25, 1977; minimum daily, 4.5°C Jan. 19, 1977.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 2.5°C was observed Jan. 15, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 21...	0830	285	7.2	19.0	40	2000	<1.0	6.0	22	2.5	K6000	K600
NOV 18...	1030	436	7.5	15.0	30	200	<1.0	8.9	140	1.8	1200	K500
DEC 08...	1515	405	7.4	13.0	30	250	<1.0	9.4	16	1.1	K350	K140
JAN 06...	0735	777	7.3	10.0	20	40	<1.0	10.7	36	2.1	1400	K130
FEB 09...	1330	206	7.2	5.0	80	250	<1.0	9.8	15	2.2	2100	600
MAR 24...	0830	237	7.0	18.0	60	120	<1.0	9.2	19	1.9	K500	200
APR 14...	0815	265	7.1	17.5	30	45	<1.0	9.1	18	1.9	K750	<5
MAY 19...	0830	266	7.1	22.0	50	300	<1.0	5.6	34	2.3	K1200	560
JUN 08...	1400	498	7.7	25.5	100	200	<1.0	6.3	73	1.8	K350	K75
JUL 07...	1300	467	7.4	29.0	40	180	<1.0	6.2	17	1.6	K200	--
AUG 04...	0700	598	7.6	30.5	20	45	<1.0	8.0	43	1.6	--	1000
SEP 09...	0930	694	7.7	26.0	20	5.0	<1.0	7.9	33	7.8	1000	K50

DATE	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT 21...	88	27	5.0	118	17	14	166	.33	.13	.46	1.8	.69
NOV 18...	100	31	6.4	73	45	62	394	.32	.12	.44	.69	.28
DEC 08...	110	32	6.3	75	39	50	153	.28	.04	.32	.76	.06
JAN 06...	190	55	13	120	76	110	68	.34	.02	.36	.52	.08
FEB 09...	65	20	3.6	56	18	16	870	.36	.09	.45	.84	.17
MAR 24...	78	24	4.3	61	24	16	213	.32	.05	.37	.39	.15
APR 14...	300	26	5.6	66	24	24	83	.19	.02	.21	.39	.11
MAY 19...	110	35	5.0	90	21	9.5	980	.36	.07	.43	.80	.18
JUN 08...	130	38	8.4	82	39	70	332	.25	.05	.30	.50	.09
JUL 07...	120	35	6.7	89	41	63	359	.20	.03	.23	1.1	.18
AUG 04...	160	47	10	115	54	76	262	--	.02	<.10	.40	.09
SEP 09...	210	61	13	155	56	83	34	--	<.01	<.10	.80	.10

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)
OCT 21...	2	1	<10	<1	1	<1	50	<1	40	7	29	24
NOV 18...	2	1	<10	<1	1	<1	50	<1	24	13	73	14
DEC 08...	2	1	<10	<1	1	<1	20	<1	14	4	120	10
JAN 06...	2	2	<10	<1	1	2	10	<1	10	3	26	11
FEB 09...	2	1	<10	<1	<1	2	10	<1	28	4	110	21
MAR 24...	1	1	<10	<1	<1	<1	20	--	14	4	63	12
APR 14...	2	1	<10	<1	1	<1	20	<1	9	3	95	5
MAY 19...	1	1	<10	<1	1	<1	30	<1	32	8	56	20
JUN 08...	2	1	<10	<1	1	<1	20	<1	18	8	25	9
JUL 07...	3	1	<10	<1	1	<1	10	<1	22	6	14	13
AUG 04...	3	2	<10	<1	1	<1	20	<1	8	4	13	4
SEP 09...	3	3	<10	<1	1	<1	10	<1	7	9	19	4

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 21...	2	.1	.1	45	2	1	<1	1.0	190	8	22	<.01
NOV 18...	<1	.1	<.1	17	2	<1	<1	.1	70	14	10	<.01
DEC 08...	<1	.4	.4	10	1	<1	<1	1.0	60	30	12	<.01
JAN 06...	<1	<.1	<.1	7	2	<1	<1	--	70	4	--	<.01
FEB 09...	<1	<.1	<.1	31	1	<1	<1	2.0	60	12	12	<.01
MAR 24...	4	<.1	<.1	9	3	<1	<1	1.0	30	6	7.4	<.01
APR 14...	3	<.1	<.1	6	2	<1	<1	2.0	30	12	4.7	<.01
MAY 19...	4	.2	.2	46	5	<1	<1	1.5	90	16	7.3	<.01
JUN 08...	2	.2	.2	14	1	<1	<1	1.3	50	8	10	<.01
JUL 07...	3	.1	<.1	19	2	<1	<1	.9	40	6	5.2	<.01
AUG 04...	2	.1	.1	10	2	<1	<1	1.2	60	13	--	<.01
SEP 09...	<1	.4	.1	5	2	<1	<1	3.9	10	11	5.8	<.01

< Actual value is known to be less than the value shown.

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	PCR, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 21...	<1	--	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001	1.0
NOV 18...	5	<1	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--
DEC 08...	<1	2	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--
JAN 06...	<1	<1	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001	.6
FEB 09...	2	<1	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--
MAR 24...	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--
APR 14...	2	<1	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001	<.1
MAY 19...	2	<1	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--
JUN 08...	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--
JUL 07...	1	<1	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001	.2
AUG 04...	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--
SEP 09...	1	1	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--

DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 21...	<.001	.3	.002	.2	.03	<.1	.004	<.1	<.001	<.1	<.001	<.1
NOV 18...	<.001	--	<.001	--	.01	--	.001	--	<.001	--	<.001	--
DEC 08...	<.001	--	<.001	--	.03	--	.002	--	<.001	--	<.001	--
JAN 06...	<.001	1.6	<.001	.2	.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
FEB 09...	.006	--	<.001	--	.01	--	<.001	--	<.001	--	<.001	--
MAR 24...	<.001	--	<.001	--	.02	--	<.001	--	<.001	--	<.001	--
APR 14...	<.001	<.1	<.001	<.1	.05	<.1	.007	<.1	<.001	<.1	<.001	<.1
MAY 19...	<.001	--	<.001	--	.01	--	<.001	--	<.001	--	<.001	--
JUN 08...	<.001	--	<.001	--	<.01	--	.002	--	<.001	--	<.001	--
JUL 07...	<.001	1.5	<.001	.6	.35	<.1	.002	<.1	<.001	<.1	<.001	<.1
AUG 04...	<.001	--	<.001	--	.01	--	<.001	--	<.001	--	<.001	--
SEP 09...	<.001	--	<.001	--	<.01	--	.003	--	<.001	--	<.001	--

< Actual value is known to be less than the value shown.

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)
OCT												
21...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1
NOV												
18...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
DEC												
08...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
JAN												
06...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1
FEB												
09...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
MAR												
24...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
APR												
14...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	.01	<.1	<.01	<.1
MAY												
19...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
JUN												
08...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
JUL												
07...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1
AUG												
04...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
SEP												
09...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--

DATE	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT												
21...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
NOV												
18...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--
DEC												
08...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--
JAN												
06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
FEB												
09...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--
MAR												
24...	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--	<1	--
APR												
14...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1	<1	<10
MAY												
19...	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--	<1	--
JUN												
08...	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--	<1	--
JUL												
07...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1	<1	<10
AUG												
04...	.02	--	<.01	--	<.01	--	<.01	--	<.1	--	<1	--
SEP												
09...	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--	<1	--

< Actual value is known to be less than the value shown.

07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 21...	<.01	<.1	<.01	<.01	<.01	<.01
NOV 18...	<.01	--	.01	<.01	<.01	<.01
DEC 08...	<.01	--	<.01	<.01	<.01	<.01
JAN 06...	<.01	<.1	<.01	<.01	<.01	<.01
FEB 09...	<.01	--	.03	<.01	<.01	<.01
MAR 24...	<.01	--	.02	<.01	<.01	<.01
APR 14...	<.01	<.1	.03	<.01	<.01	<.01
MAY 19...	<.01	--	.14	<.01	<.01	<.01
JUN 08...	<.01	--	.05	<.01	.01	<.01
JUL 07...	<.01	<.1	.03	<.01	.01	<.01
AUG 04...	<.01	--	.02	<.01	.07	<.01
SEP 09...	<.01	--	.03	<.01	.01	<.01

< Actual value is known to be less than the value shown.

07344450 PAW PAW BAYOU NEAR GREENWOOD, LA

LOCATION.--Lat 32°31'00", long 93°58'20", in SE1/4SW1/4 sec.26, T.18 N., R.16 W., Caddo Parish, Hydrologic Unit 11140304, near center of span on downstream side of bridge on State Highway 169, 1.0 mi (1.6 km) upstream from Cross Lake, 5.1 mi (8.2 km) north of Greenwood, and 11 mi (18 km) west of Shreveport.

DRAINAGE AREA.--80.5 mi^2 (208.5 km^2).

PERIOD OF RECORD.--October 1955 to current year.

REVISED RECORDS.--WDR LA-78-1: Drainage area. WDR LA-79-1: 1957(P), 1958, 1958-62(P), 1964(P), 1966(P), 1969(P), 1973-75(P).

GAGE.--Water-stage recorder. Datum of gage is 170.35 ft (51.923 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--27 years, 63.4 ft^3/s (1.795 m^3/s), 10.70 in/yr (272 mm/yr), 45,930 acre-ft/yr (56.6 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft^3/s (467 m^3/s) Apr. 27, 1958, gage height, 13.84 ft (4.218 m) from rating curve extended above 8,100 ft^3/s (229 m^3/s); no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 830 ft^3/s (23.5 m^3/s) Feb. 10, gage height 8.70 ft (2.652 m), no peaks above base of 1200 ft^3/s (34 m^3/s); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	3.7	4.1	1.8	342	64	12	5.4	1.9	1.5	1.7	.00
2	.00	6.7	9.7	2.5	139	40	11	4.8	1.6	.93	.95	.00
3	.00	8.4	7.5	26	92	31	11	4.2	1.2	.64	.44	.00
4	.00	6.1	5.4	14	122	26	11	3.9	.99	.53	.22	.00
5	.00	4.5	4.0	7.7	61	23	10	3.6	.85	.40	.09	.00
6	7.2	3.5	3.3	5.5	99	26	7.6	3.6	.73	.30	.04	.00
7	220	2.9	2.7	4.0	145	72	6.0	5.7	.65	.23	.02	.00
8	150	2.5	2.4	3.2	109	62	5.2	15	.65	.14	.02	.00
9	111	2.3	2.0	2.7	469	36	4.9	11	.59	.10	.07	.00
10	362	2.3	1.9	2.5	775	27	4.7	5.4	.55	.06	.03	.00
11	245	2.4	1.7	2.3	410	22	5.1	3.7	.59	.06	.07	.00
12	39	2.6	1.7	2.2	87	20	5.1	2.8	.52	.06	.34	.00
13	17	2.6	1.5	2.6	51	19	5.0	5.6	.49	.04	.06	.00
14	9.8	2.7	1.6	7.0	39	18	4.5	137	.45	.01	.02	.00
15	6.6	2.6	1.8	30	33	16	4.2	269	.40	.00	.00	.00
16	22	2.4	2.1	70	31	15	4.0	96	.74	.00	.00	.00
17	21	3.0	2.6	40	29	14	3.7	22	.63	.00	.00	.00
18	31	2.7	2.7	22	25	13	3.4	12	.64	.00	.00	.00
19	38	2.3	2.6	15	21	12	3.7	26	.79	.00	15	.00
20	17	2.3	2.5	13	19	11	28	12	.69	.00	3.7	.00
21	8.3	1.8	2.3	40	17	13	146	7.0	1.0	.00	1.2	.00
22	5.4	1.7	2.2	110	16	121	106	4.8	15	.00	.50	.00
23	4.5	1.9	2.3	70	15	236	33	3.6	12	.00	.22	.00
24	3.8	1.8	2.3	50	14	105	19	3.6	4.0	.00	.09	.00
25	3.5	1.8	2.1	35	14	43	23	6.9	2.3	.00	.03	.00
26	8.9	1.8	2.0	23	36	28	31	6.3	2.2	.00	.00	.00
27	17	2.0	1.9	18	216	20	22	6.5	8.5	.00	.00	.00
28	9.5	1.9	1.8	14	186	16	13	5.7	6.0	.04	.00	.00
29	6.5	2.0	1.8	12	---	16	8.8	4.4	3.1	.11	.00	.00
30	4.6	2.3	1.8	15	---	14	6.5	3.2	2.3	.10	.00	.00
31	3.6	---	1.4	173	---	13	---	2.5	---	.64	.00	---
TOTAL	1372.21	87.5	85.7	834.0	3612	1192	558.4	703.2	72.05	5.89	24.81	.00
MEAN	44.3	2.92	2.76	26.9	129	38.5	18.6	22.7	2.40	.19	.80	.000
MAX	362	8.4	9.7	173	775	236	146	269	15	1.5	15	.00
MIN	.00	1.7	1.4	1.8	14	11	3.4	2.5	.40	.00	.00	.00
CFSM	.55	.04	.03	.33	1.60	.48	.23	.28	.03	.002	.01	.000
IN.	.63	.04	.04	.39	1.67	.55	.26	.32	.03	.00	.01	.00
AC-FT	2720	174	170	1650	7160	2360	1110	1390	143	12	49	.00

CAL YR 1981 TOTAL 17564.09 MEAN 48.1 MAX 4090 MIN .00 CFSM .60 IN 8.12 AC-FT 34840
WTR YR 1982 TOTAL 8547.76 MEAN 23.4 MAX 775 MIN .00 CFSM .29 IN 3.95 AC-FT 16950

07344450 PAW PAW BAYOU NEAR GREENWOOD, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.10	1.73	1.90	1.61	7.42	4.32	2.42	1.92	1.48	1.43	1.51	.74
2	1.09	2.02	2.40	1.72	5.65	3.57	2.37	1.86	1.42	1.33	1.38	.73
3	1.08	2.17	2.25	3.07	4.98	3.22	2.35	1.80	1.36	1.28	1.27	.73
4	1.08	1.99	2.07	2.65	5.57	3.03	2.36	1.76	1.32	1.25	1.20	.72
5	1.08	1.82	1.93	2.27	4.25	2.88	2.33	1.72	1.29	1.23	1.15	.72
6	1.56	1.71	1.83	2.08	5.04	3.02	2.14	1.72	1.27	1.20	1.12	.71
7	6.80	1.63	1.75	1.91	5.90	4.53	2.01	1.94	1.25	1.18	1.10	.71
8	6.01	1.57	1.70	1.82	5.23	4.27	1.94	2.51	1.25	1.16	1.09	.71
9	5.41	1.55	1.65	1.76	7.80	3.42	1.90	2.30	1.23	1.14	1.14	.71
10	7.54	1.53	1.63	---	8.59	3.03	1.88	1.92	1.22	1.12	1.11	.70
11	7.00	1.56	1.60	---	7.47	2.86	1.92	1.74	1.24	1.12	1.11	.70
12	3.51	1.58	1.59	---	4.88	2.78	1.92	1.61	1.22	1.14	1.24	.70
13	2.62	1.58	1.56	---	3.94	2.72	1.91	1.83	1.21	1.11	1.13	.70
14	2.26	1.59	1.57	---	3.51	2.67	1.86	5.44	1.20	1.09	1.10	.70
15	2.03	1.58	1.61	---	3.29	2.59	1.83	7.11	1.19	1.08	1.08	.70
16	2.82	1.55	1.66	---	3.19	2.53	1.80	4.78	1.27	1.07	1.09	.69
17	2.80	1.64	1.73	---	3.12	2.48	1.77	2.84	1.24	1.07	1.09	.69
18	3.19	1.62	1.75	---	2.97	2.43	1.73	2.39	1.24	1.06	1.07	.69
19	3.50	1.56	1.73	---	2.82	2.38	1.75	3.02	1.28	1.04	2.51	.69
20	2.63	1.57	1.71	---	2.70	2.31	3.02	2.38	1.26	1.00	1.79	.69
21	2.16	1.51	1.68	---	2.62	2.42	5.89	2.07	1.32	.89	1.43	.69
22	1.93	1.49	1.67	---	2.60	5.21	5.33	1.86	2.33	.76	1.28	.69
23	1.83	1.54	1.69	---	2.55	6.92	3.29	1.73	2.36	.72	1.20	.69
24	1.75	1.54	1.68	---	2.49	5.14	2.71	1.72	1.78	.71	1.15	.69
25	1.71	1.55	1.67	---	2.48	3.67	2.88	2.05	1.54	.70	1.11	.69
26	2.05	1.57	1.64	---	3.38	3.13	3.20	2.00	1.52	.70	1.09	.69
27	2.64	1.60	1.63	---	6.67	2.78	2.83	2.02	2.13	.69	1.06	.69
28	2.24	1.60	1.61	2.56	6.32	2.63	2.46	1.95	1.96	.76	1.04	.69
29	2.02	1.63	1.61	2.47	---	2.59	2.20	1.82	1.66	1.15	1.01	.69
30	1.84	1.68	1.60	2.62	---	2.52	2.02	1.67	1.54	1.16	.89	.69
31	1.73	---	1.54	5.96	---	2.46	---	1.57	---	1.25	.76	---
MAX	7.54	2.17	2.40	5.96	8.59	6.92	5.89	7.11	2.36	1.43	2.51	.74
MIN	1.08	1.49	1.54	1.61	2.48	2.31	1.73	1.57	1.19	.69	.76	.69

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°38'45", long 93°52'40", in NW1/4NW1/4 sec.14, T.19 N., R.15 W., Caddo Parish, Hydrologic Unit 11140304, near right bank on downstream side of pier of bridge on State Highway 173, 0.1 mi (0.2 km) downstream from Cottonwood Bayou, 4.2 mi (6.8 km) southwest of Dixie, 5.5 mi (8.8 km) downstream from Caddo Lake, and 17.3 mi (27.8 km) upstream from mouth.

DRAINAGE AREA.--3,137 mi^2 (8,125 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1942 to current year.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 136.12 ft (41.489 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 5, 1947, nonrecording gage and Sept. 5, 1947, to June 26, 1978, water-stage recorder at present site. Oct. 1, 1950, to June 26, 1978, at datum 3.88 ft (1.183 m) higher and prior to Oct. 1, 1950, at datum 5.88 ft (1.792 m) above present datum.

Nonrecording gage for Twelvemile Bayou near Mooringsport (station 07347950) used as supplementary gage June 27, 1978, to May 7, 1981. Datum of supplementary gage, 140.00 ft (42.672 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

Water-stage recorder for Twelvemile Bayou below Dixie (station 07348010) used as auxiliary gage for this station. Prior to May 7, 1981, nonrecording gage for Red River at Shreveport (station 07348500) used as auxiliary gage.

REMARKS.--Records good. Flow regulated by three reservoirs (combined usable capacity, 1,033,700 acre-ft or 1.27 km^3, of which 587,200 acre-ft or 0.724 km^3 is available for storage) since August 1957.

AVERAGE DISCHARGE.--40 years, 2,545 ft^3/s (72.07 m^3/s), 1,844,000 acre-ft/yr (2.27 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,400 ft^3/s (1,090 m^3/s) May 5, 1958; maximum daily reverse flow, 50 ft^3/s (1.42 m^3/s) Aug. 5, 1975 (backwater from Red River); maximum gage height, 41.53 ft (12.658 m) Apr. 5, 1945, and May 5, 1958, present datum; minimum discharge (unaffected by backwater), 0.08 ft^3/s (0.002 m^3/s) Aug. 24, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,010 ft^3/s (114 m^3/s) Feb. 9; maximum gage height, 19.51 ft (5.947 m) June 21, minimum daily, 6.4 ft^3/s (0.181 m^3/s) Sept. 22, 25, 26.

REVISIONS.--The maximum discharge for water year 1981 has been revised to 15,700 ft^3/s (445 m^3/s), gage height, 31.20 ft (90.510 m), superseding figure published in the report for 1981.

Revised figures of discharge and gage heights for May 7 to Sept. 30, 1981, superseding those published in the report for 1981 are given herein.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	26	26	257	378	765	948	389	6530	4190	83	30
2	22	8.0	25	175	488	1050	868	650	6230	3910	124	25
3	30	4.8	25	195	543	1350	780	852	6790	3690	158	39
4	33	4.6	25	91	352	1830	1120	820	7640	3440	170	33
5	444	4.4	24	91	297	2010	1280	650	9560	3670	126	21
6	212	3.8	24	231	356	1640	1160	638	13000	4350	102	17
7	152	3.1	25	345	345	1290	1010	584	14500	3990	89	15
8	57	2.9	33	385	363	1380	910	569	15400	4150	79	15
9	40	2.8	40	334	411	1490	940	818	15700	3710	66	77
10	28	3.0	45	253	990	1920	962	1550	15300	3210	60	265
11	20	3.9	51	334	928	1740	962	1420	14500	2990	57	319
12	15	3.1	58	358	810	1710	890	1360	13500	2860	51	335
13	12	3.9	71	389	678	1650	802	1360	12200	2610	46	335
14	10	6.8	114	363	561	1610	678	1550	10700	2360	32	330
15	9.4	7.2	755	367	690	1700	501	1320	9580	2130	32	328
16	9.0	9.8	852	415	765	1800	411	1480	8820	1880	30	318
17	8.8	37	790	411	760	1990	448	2580	8070	1550	34	305
18	20	288	790	259	785	1750	556	3270	7500	1190	30	300
19	38	446	740	257	778	1520	550	3760	6950	920	25	295
20	45	183	500	323	788	1230	499	4130	6380	734	21	285
21	41	75	400	345	815	1480	541	5040	5900	650	22	278
22	53	34	250	367	890	1280	675	5640	5480	554	21	270
23	41	20	367	305	802	1300	758	5810	5180	467	21	262
24	36	13	323	314	660	1190	852	5840	4980	410	21	242
25	32	13	261	345	632	1040	868	5680	4780	358	23	228
26	25	14	235	374	590	832	740	6690	4490	338	25	218
27	26	18	179	327	640	650	488	7380	4420	220	31	205
28	40	28	95	257	615	692	387	7520	4410	180	35	190
29	44	31	102	367	---	778	389	7340	4330	140	29	172
30	60	28	80	433	---	920	345	6990	4240	110	27	138
31	43	---	73	301	---	950	---	6870	---	87	27	---
TOTAL	1667.2	1326.1	7378	9568	17710	42937	22298	100550	257060	61048	1697	5890
MEAN	53.8	44.2	238	309	633	1385	743	3244	8569	1969	54.7	196
MAX	444	446	852	433	990	2010	1280	7520	15700	4350	170	335
MIN	8.8	2.8	24	91	297	650	345	389	4240	87	21	15
AC-FT	3310	2630	14630	18980	35130	85170	44230	199400	509900	121100	3370	11680

CAL YR 1980 TOTAL 1005415.5 MEAN 2747 MAX 12400 MIN 2.8 AC-FT 1994000
WTR YR 1981 TOTAL 529129.3 MEAN 1450 MAX 15700 MIN 2.8 AC-FT 1050000

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	1100	1440	325	1980	2040	1110	1250	1810	1640	190	12
2	42	1050	1560	312	2030	1950	1130	1200	1740	1590	170	12
3	55	1000	1200	438	2190	1780	1180	1150	1780	1510	150	10
4	92	1190	1000	539	1830	1810	1160	1050	1850	1490	140	9.1
5	94	1110	1070	382	2010	1620	1140	1000	1750	1520	160	9.1
6	155	1230	861	458	2160	1860	1100	1000	1770	1550	140	9.1
7	222	1280	725	402	2070	2070	1250	1150	1790	1540	120	10
8	443	1070	713	382	2460	2010	1300	1100	1780	1430	100	9.1
9	627	1010	728	494	3820	2010	1250	1050	1730	1310	85	9.1
10	826	1030	616	425	3590	2050	1200	1000	1640	1230	70	10
11	717	1150	554	560	3510	1990	1150	950	1610	1160	55	12
12	635	900	551	569	3570	1990	1100	900	1810	1090	45	10
13	800	807	602	774	3520	1950	1050	860	1680	1070	35	15
14	1000	1470	653	883	3370	1890	999	860	1540	1040	28	13
15	1250	1640	662	807	3190	1890	957	950	1420	998	22	10
16	1150	1250	581	761	3090	1870	909	1000	1630	969	18	10
17	1000	1170	647	653	2830	1800	916	1100	1890	926	14	13
18	900	1150	554	704	2610	1710	798	1260	1690	863	12	10
19	950	1170	428	723	2450	1700	800	1350	1600	800	10	12
20	960	1490	375	683	2340	1640	950	1360	1540	750	9.4	12
21	960	1390	485	716	2170	1450	1050	1370	1660	660	8.6	7.7
22	900	915	659	970	2010	1540	1100	1420	1920	600	8.2	6.4
23	800	888	557	1240	1940	1490	1250	1450	1880	550	7.8	9.1
24	900	963	358	1100	1860	1480	1400	1580	1730	480	7.6	7.7
25	900	1050	382	1070	1420	1460	1450	1670	1610	420	7.6	6.4
26	950	984	428	995	1720	1300	1500	1710	1540	370	8.4	6.4
27	1050	986	382	913	2120	1170	1450	1740	1520	330	9.1	9.1
28	1000	865	388	971	2100	1250	1250	1760	1600	290	9.1	10
29	1050	630	312	1050	---	1150	1350	1800	1650	260	9.1	10
30	1150	822	300	1240	---	1090	1300	1810	1690	230	12	10
31	1150	---	358	2220	---	1120	---	1870	---	210	13	---
TOTAL	22807	32760	20129	23759	69960	52130	34549	39720	50850	28876	1673.9	299.3
MEAN	736	1092	649	766	2499	1682	1152	1281	1695	931	54.0	9.98
MAX	1250	1640	1560	2220	3820	2070	1500	1870	1920	1640	190	15
MIN	42	630	300	312	1420	1090	798	860	1420	210	7.6	6.4
AC-FT	45240	64980	39930	47130	138800	103400	68530	78780	100900	57280	3320	594

CAL YR 1981 TOTAL 594454.0 MEAN 1629 MAX 15700 MIN 15 AC-FT 1179000
WTR YR 1982 TOTAL 377513.2 MEAN 1034 MAX 3820 MIN 6.4 AC-FT 748800

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	18.84	15.31	4.91	4.74
2								---	18.50	14.72	5.12	4.71
3								---	19.38	14.21	5.27	4.79
4								---	20.77	13.70	5.32	4.76
5								---	23.69	14.05	5.14	4.70
6								---	28.72	14.69	5.02	4.68
7								6.88	30.26	14.09	4.96	4.68
8								6.83	30.97	14.35	4.91	4.68
9								7.66	31.17	13.62	4.85	4.99
10								9.64	30.91	12.78	4.83	5.83
11								9.30	30.26	12.41	4.81	6.07
12								9.15	29.33	12.16	4.79	6.13
13								9.15	28.08	11.66	4.76	6.13
14								9.70	26.20	11.17	4.69	6.11
15								9.76	24.70	10.70	4.69	6.10
16								10.61	23.74	10.21	4.69	6.06
17								12.81	22.80	9.52	4.72	6.01
18								14.18	22.20	8.63	4.70	5.99
19								15.12	21.75	7.95	4.68	5.97
20								15.64	21.17	7.38	4.66	5.94
21								16.82	20.51	7.10	4.67	5.91
22								17.54	19.72	6.78	4.66	5.88
23								17.66	19.00	6.49	4.67	5.85
24								17.54	18.42	6.28	4.67	5.77
25								17.15	17.94	6.07	4.68	5.72
26								18.64	17.45	5.89	4.70	5.68
27								19.73	17.07	---	4.73	5.63
28								20.00	16.52	---	4.75	5.57
29								19.84	15.98	---	4.72	5.50
30								19.38	15.60	5.05	4.71	5.36
31								19.25	---	4.93	4.72	---
MAX								20.00	31.17	15.31	5.32	6.13
MIN								---	15.60	4.93	4.66	4.68

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.07	16.31	9.41	5.76	10.82	10.68	---	9.52	17.43	18.66	6.32	4.64
2	4.87	16.22	9.50	5.72	11.09	10.54	---	9.36	17.30	18.39	6.07	4.64
3	4.94	16.29	8.57	6.23	13.29	10.85	---	9.10	17.55	17.53	5.69	4.63
4	5.14	16.82	8.13	6.58	14.41	11.64	---	8.80	17.98	17.15	6.09	4.62
5	5.15	17.29	8.77	6.03	14.91	11.46	---	8.51	18.12	17.57	7.63	4.62
6	5.43	17.38	9.49	6.33	15.34	11.70	---	8.47	18.16	18.02	8.35	4.62
7	5.68	16.66	9.27	6.13	15.33	11.77	---	9.17	18.37	18.00	7.69	4.63
8	6.51	16.03	8.59	6.05	15.73	11.40	---	8.71	18.39	17.45	6.53	4.62
9	7.12	15.97	7.77	6.47	17.06	11.30	---	8.45	18.11	16.79	---	4.62
10	7.75	16.02	6.86	6.24	16.45	11.39	---	8.28	18.10	16.35	---	4.63
11	7.39	15.80	6.53	6.71	16.02	11.15	---	8.04	18.31	16.23	---	4.64
12	7.11	15.50	6.52	6.75	15.50	10.96	---	7.73	18.65	16.39	---	4.63
13	6.50	15.75	6.69	7.44	15.18	10.84	---	7.61	18.49	16.42	---	4.65
14	6.40	15.72	6.86	7.83	14.63	10.51	8.19	8.59	18.33	16.20	---	4.64
15	6.59	14.57	6.89	7.59	14.02	10.39	8.08	9.47	18.18	15.94	---	4.62
16	7.08	13.48	6.62	7.45	13.58	10.33	7.95	14.54	18.46	15.48	---	4.63
17	7.24	12.82	6.84	7.07	12.96	10.17	7.97	16.52	18.99	14.79	---	4.64
18	8.94	12.22	6.53	7.25	12.49	10.02	7.62	17.42	18.72	13.83	---	4.62
19	11.98	11.77	6.10	7.32	12.12	10.09	7.86	16.64	18.90	12.01	---	4.63
20	14.07	11.41	5.89	7.20	11.77	10.13	8.11	15.11	19.37	10.51	---	4.63
21	15.26	10.39	6.30	7.33	11.55	10.03	8.43	15.03	19.34	9.56	---	4.60
22	15.80	9.80	6.88	8.14	11.59	10.18	9.03	15.90	18.95	9.01	---	4.59
23	15.79	9.53	6.54	8.86	11.59	9.76	9.30	16.62	18.57	8.71	---	4.61
24	15.89	9.36	5.83	8.48	11.04	9.49	9.40	16.95	18.48	8.45	---	4.60
25	16.24	9.07	5.94	8.38	9.69	9.42	9.66	17.11	18.42	8.29	---	4.59
26	16.60	8.68	6.13	8.18	10.16	8.99	10.19	17.44	18.49	8.15	---	4.59
27	16.37	8.50	5.95	7.99	10.93	8.62	10.11	17.75	18.52	7.76	4.62	4.61
28	16.17	7.98	5.98	8.46	10.82	8.84	9.94	17.87	18.51	7.23	4.62	4.62
29	16.18	7.52	5.69	8.92	---	---	10.06	18.06	18.50	6.85	4.62	4.62
30	16.22	8.17	5.65	9.25	---	---	9.75	18.11	18.63	6.60	4.64	4.62
31	16.17	---	5.89	11.28	---	---	---	17.78	---	6.38	4.65	---
MAX	16.60	17.38	9.50	11.28	17.06	11.77	10.19	18.11	19.37	18.66	8.35	4.65
MIN	4.87	7.52	5.65	5.72	9.69	---	---	7.61	17.30	6.38	---	4.59

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1953-55, 1958-60, 1969-70, 1978 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1978 to September 1981 (discontinued).
WATER TEMPERATURES: April 1978 to September 1981 (discontinued).

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 3,970 micromhos Oct. 20, 1980; minimum daily, 76 micromhos Feb. 12, 1980.
WATER TEMPERATURES: Maximum daily, 36.0°C June 27, 1978; minimum daily, 4.0°C Jan. 14, Feb. 7, 1979.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 21...	1115	960	198	6.6	20.0	10	18	8.0	.9	K40
DEC 09...	0830	728	179	6.6	11.5	10	4.1	9.7	1.9	K26
FEB 09...	1445	3820	244	6.7	6.0	40	90	10.1	2.0	420
APR 14...	1000	999	230	6.5	19.5	20	8.8	9.5	.3	K30
JUN 08...	1430	1780	175	6.8	27.5	15	4.7	7.5	2.4	K20
AUG 04...	0800	140	713	6.8	30.0	20	2.5	8.1	1.5	K4

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
OCT 21...	410	36	8.8	3.3	25	2.6	19	9.8	39	.2
DEC 09...	--	32	7.2	3.5	22	2.8	20	15	31	.2
FEB 09...	9700	44	11	4.1	25	3.4	23	15	47	<.1
APR 14...	310	39	8.5	4.4	32	2.7	12	23	43	<.1
JUN 08...	180	31	6.6	3.5	21	2.9	15	14	28	.1
AUG 04...	--	160	34	18	78	3.0	81	45	130	.3

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT 21...	13	117	113	.07	.12	1.3	.07	.02	<.01
DEC 09...	12	119	106	.02	.02	.35	--	.05	<.01
FEB 09...	9.8	160	129	.15	.09	.45	.14	.07	.07
APR 14...	9.1	131	130	<.10	.04	.43	.04	<.01	<.01
JUN 08...	8.9	105	94	<.10	.08	.70	.05	.02	<.01
AUG 04...	12	435	369	<.10	.03	.50	.06	--	.03

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT 21...	1	1	100	50	<1	<1	10	<10	2	<1
FEB 09...	1	2	100	74	<1	2	10	<10	<1	<1
APR 14...	1	1	100	79	1	<1	20	10	3	1
JUN 08...	1	1	100	62	1	1	10	<10	3	3

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT 21...	11	5	690	71	5	2	190	3	.1
FEB 09...	12	3	2800	210	9	<1	160	34	.1
APR 14...	5	4	710	160	5	3	50	7	<.1
JUN 08...	8	6	1100	130	7	3	200	4	.1

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 21...	<.1	3	<1	<1	<1	<1	<1	60	12
FEB 09...	.1	7	<1	<1	<1	<1	<1	--	43
APR 14...	<.1	4	2	<1	<1	<1	<1	20	8
JUN 08...	.2	3	<1	<1	<1	<1	<1	30	7

DATE	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 21...	112	290	45
DEC 09...	41	81	90
FEB 09...	223	2300	66
APR 14...	68	183	94
JUN 08...	61	293	90
AUG 04...	96	36	96

< Actual value is known to be less than the value shown.

07348010 TWELVEMILE BAYOU BELOW DIXIE, LA

LOCATION.--Lat 32°36'25", long 93°48'35", in NW1/4SW1/4 sec.28, T.19 N., R.14 W., Caddo Parish, Hydrologic Unit 11140304, at bridge on U.S. Highway 71, 4.0 mi (6.4 km) downstream from gaging station Twelvemile Bayou near Dixie (Station 07348000) and 6.0 mi (9.7 km) southeast of Dixie.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1979 to current year (gage heights only). February 1962 to September 1979 (annual maximums). Unpublished daily gage heights, August 1978 to September 1979, in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 134.00 ft (40.843 m) National Geodetic Vertical Datum of 1929. Prior to August 1978, nonrecording gage at same site at datum 134.00 ft (40.843 m) higher.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 36.54 ft (11.137 m), present datum, May 7, 1966; minimum, 0.47 ft (0.143 m) Sept. 25, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 20.18 ft (6.343 m) June 20; minimum, 6.04 ft (1.841 m) Aug. 25, but may have been less during periods of no gage-height record.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.46	---	9.12	6.79	10.07	9.44	8.42	---	18.42	19.86	---	6.15
2	6.32	---	8.70	6.73	10.52	9.47	8.47	---	18.33	19.57	---	6.14
3	6.34	---	8.40	6.97	13.41	10.65	8.61	---	18.57	18.69	---	6.14
4	6.47	18.17	8.36	7.20	15.10	11.81	8.31	---	19.00	18.33	---	6.12
5	6.49	18.70	9.20	6.93	15.52	11.84	8.51	---	19.21	18.79	---	6.12
6	6.63	18.76	10.50	7.05	15.88	11.81	8.40	---	19.25	19.23	---	6.13
7	6.77	17.99	10.49	6.96	15.94	11.59	9.11	---	19.45	19.19	---	6.13
8	7.13	17.43	9.79	6.90	16.09	11.13	9.89	---	19.49	18.65	---	6.13
9	7.59	17.40	8.73	7.12	16.61	10.96	9.32	---	19.22	18.03	---	6.13
10	7.86	17.44	7.70	7.02	16.04	11.02	8.86	---	19.25	17.64	---	6.13
11	7.63	17.13	7.19	7.21	15.58	10.75	8.45	---	19.51	17.58	---	6.13
12	7.45	16.97	7.10	7.26	14.85	10.35	8.17	---	19.76	17.79	---	6.13
13	---	17.30	7.19	7.59	14.48	10.25	8.08	---	19.65	---	---	6.14
14	---	16.85	7.28	7.83	13.88	9.68	8.01	---	19.57	---	---	6.14
15	---	15.48	7.33	7.70	13.19	9.31	7.95	---	19.47	---	---	6.14
16	---	14.58	7.20	7.65	12.65	9.22	7.88	---	19.68	---	---	6.13
17	---	13.91	7.26	7.42	12.05	9.13	7.89	---	20.08	---	---	---
18	---	13.27	7.17	7.51	11.63	9.10	7.72	18.76	19.89	---	---	---
19	---	12.75	6.95	7.55	11.33	9.42	---	17.87	20.17	---	---	---
20	---	11.98	6.84	7.49	10.94	9.75	---	16.23	20.70	---	---	---
21	---	11.24	7.00	7.57	11.00	10.14	---	16.14	20.57	---	---	---
22	---	10.81	7.28	8.07	11.42	10.17	---	17.04	20.00	---	---	---
23	---	10.54	7.23	8.45	11.54	9.43	---	17.78	19.62	---	---	6.09
24	---	10.25	6.80	8.21	10.85	8.77	---	18.05	19.61	---	---	6.10
25	---	9.77	6.84	8.11	9.59	8.68	---	18.17	19.62	---	6.06	6.10
26	---	9.40	6.93	8.01	9.51	8.44	---	18.50	19.74	---	6.10	6.09
27	---	9.07	6.90	7.98	9.76	8.21	---	18.82	19.78	---	6.13	---
28	---	8.66	6.86	8.87	9.53	8.34	---	18.94	19.72	---	6.14	---
29	---	8.59	6.75	9.41	---	8.37	---	19.12	19.69	---	6.13	---
30	---	9.09	6.70	9.42	---	8.37	---	19.17	19.81	---	6.14	---
31	---	---	6.82	10.26	---	8.46	---	18.76	---	---	6.15	---
MAX	---	18.76	10.50	10.26	16.61	11.84	---	19.17	20.70	19.86	---	6.15
MIN	---	8.59	6.70	6.73	9.51	8.21	---	---	18.33	---	---	---

RED RIVER BASIN

07348500 RED RIVER AT SHREVEPORT, LA

LOCATION.--Lat 32°30'55", long 93°44'25", in SE1/4SE1/4 sec. 30, T. 18 N., R.13 W., Caddo Parish, Hydrologic Unit 11140202, on second pier from east bank, at Illinois Central Gulf Railroad Co. bridge at Shreveport, and 0.5 mi (0.8 km) downstream from Cross Bayou.

DRAINAGE AREA.--60,613 mi^2 (156,988 km^2), of which 5,936 mi^2 (15,374 km^2) above Denison Dam is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1981 (see NOTE). Daily gage heights since May 1873 and discharge intermittently 1872 to 1905 in reports of Mississippi River Commission.

REVISED RECORDS.--WSP 1211: Drainage area. WSP 1920: 1960(M).

GAGE.--Water-stage recorder. Datum of gage is 131.48 ft (40.075 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to June 1, 1918, nonrecording gage at same site at datum 10 ft (3.05 m) higher.

REMARKS.--Regulation by Lake Texoma, Millwood Reservoir, and Texarkana Reservoir. See Red River near Hosston (station 07344400).

COOPERATION.--Gage-height record and computations of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--53 years (water years 1929-81), 24,030 ft^3/s (680.5 m^3/s), 17,409,700 acre-ft/yr (21.5 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 303,000 ft^3/s (8,580 m^3/s) Apr. 5, 1945 (discharge measurement), maximum gage height, 37.9 ft (11.55 m) in gage well, 38.4 ft (11.70 m) from outside gage Apr. 7, 1945; minimum discharge, 690 ft^3/s (19.5 m^3/s) Oct. 30, 1956; minimum gage height, 0.24 ft (0.073 m) Nov. 9, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage, 45.9 ft (13.99 m), present datum, from water mark in August 1849 (affected by huge log raft).

EXTREMES FOR CURRENT YEAR.--Water year 1981: Maximum discharge, 89,800 ft^3/s (2,540 m^3/s) June 8, gage height, 22.70 ft (6.919 m); minimum daily, 3,000 ft^3/s (85.0 m^3/s) Nov. 14, 15.

NOTE.--Records for the 1982 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4900	11000	7600	8200	4100	8700	8100	9600	31000	30000	8300	7000
2	11000	12000	7300	7200	3900	9000	9200	8400	32000	27000	8100	7000
3	21000	15000	7100	6100	4100	9000	9400	8400	35000	24000	7500	7300
4	29000	15000	7000	5200	6700	7600	9300	8000	40000	22000	7400	7500
5	30000	14000	6800	4400	8900	8100	9400	7800	49000	22000	7700	7900
6	26000	12000	6400	4100	9100	9300	9200	7600	71000	24000	8000	8000
7	22000	10000	6200	4000	8700	15000	8900	7900	84000	30000	7700	7700
8	19000	8200	6100	3900	8100	24000	8300	8300	89000	36000	7000	7800
9	16000	6700	6000	4200	7600	30000	8000	9000	89000	35000	6500	8000
10	14000	5700	5900	4300	8600	31000	7800	9700	89000	34000	5900	7700
11	12000	4900	6900	3900	8200	28000	7800	9900	84000	34000	5800	6900
12	11000	4000	11000	3900	7300	25000	7800	9700	79000	35000	6000	6300
13	10000	3300	20000	3900	7800	22000	7400	11000	77000	33000	6300	5800
14	9400	3000	31000	3800	8600	20000	6800	15000	75000	30000	6200	5100
15	8600	3000	32000	3900	9300	16000	6200	21000	73000	28000	5900	5200
16	7900	3500	28000	3900	9900	14000	5700	25000	71000	27000	5700	5400
17	7300	5300	25000	3700	11000	12000	5200	30000	70000	23000	5200	5300
18	6700	8100	23000	3600	13000	11000	4700	35000	71000	20000	4600	5300
19	5800	9400	21000	3600	13000	10000	4500	38000	72000	17000	4500	5100
20	5600	9700	18000	3600	13000	9400	4200	39000	72000	15000	4900	5000
21	5900	9700	16000	3500	12000	9300	3700	37000	70000	14000	5300	5400
22	6400	9400	15000	4500	12000	9000	3400	34000	66000	12000	5500	5600
23	7600	9300	14000	5200	11000	8900	5100	30000	62000	12000	5600	5000
24	9100	8900	13000	4800	11000	8800	5900	24000	57000	11000	5600	5000
25	10000	8500	12000	4000	11000	8800	5600	18000	54000	11000	4900	4900
26	11000	8400	12000	3100	10000	8700	5900	17000	52000	11000	4600	4600
27	11000	8700	11000	3100	9600	8300	7400	20000	48000	11000	4400	4300
28	11000	8600	10000	3100	8700	8000	8700	22000	41000	11000	4500	3700
29	10000	8000	10000	3100	---	7900	9300	25000	36000	11000	5400	3400
30	11000	7800	10000	3800	---	7700	9400	25000	34000	9500	6400	3700
31	11000	---	9400	3900	---	7500	---	28000	---	8800	6700	---
TOTAL	381100	250900	414700	131500	255800	411700	212300	598300	1873000	668300	188100	176900
MEAN	12290	8363	13380	4242	9136	13280	7077	19300	62430	21560	6068	5897
MAX	30000	15000	32000	8200	13000	31000	9400	39000	89000	36000	8300	8000
MIN	4900	3000	5900	3100	3900	7500	3400	7600	31000	8800	4400	3400
AC-FT	755000	497700	822600	260800	507400	816600	421100	1187000	3715000	1326000	373100	350900

CAL YR 1980 TOTAL 5576400 MEAN 15510 MAX 47000 MIN 2800 AC-FT 11260000
WTR YR 1981 TOTAL 5562600 MEAN 15240 MAX 89000 MIN 3000 AC-FT 11030000

07348500 RED RIVER AT SHREVEPORT, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM). WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.14	7.15	5.40	5.89	3.19	6.18	5.69	6.58	13.70	13.95	6.50	6.22
2	5.75	7.39	5.18	5.02	3.10	6.35	6.75	7.00	13.95	13.38	6.37	6.29
3	10.22	8.70	5.04	4.30	3.10	6.52	7.07	7.05	14.28	12.81	6.09	6.43
4	12.68	9.05	5.03	3.88	3.73	5.90	6.93	6.41	15.20	12.40	6.00	6.67
5	13.09	8.45	4.90	3.55	5.54	6.12	7.10	5.99	15.55	12.20	6.10	7.20
6	12.29	7.69	4.69	3.40	5.83	7.13	6.88	5.70	18.88	12.73	6.28	7.36
7	11.28	7.02	4.52	3.42	5.51	10.32	6.59	5.88	20.80	13.51	6.25	7.08
8	10.25	5.99	4.45	3.31	5.00	12.37	6.20	6.27	22.45	15.05	5.88	7.04
9	9.21	4.98	4.42	3.40	4.60	13.77	5.68	7.11	22.95	14.90	5.64	7.33
10	8.48	4.40	4.31	3.52	5.12	13.98	5.40	7.85	22.98	14.40	5.39	7.15
11	7.90	3.88	4.69	3.32	5.22	13.58	5.40	8.10	22.35	14.65	5.20	6.30
12	7.41	3.35	6.50	3.24	4.41	12.90	5.45	7.82	21.45	14.85	5.41	5.58
13	6.98	2.95	10.02	3.28	4.61	12.42	5.08	8.30	21.20	14.40	5.69	5.19
14	6.53	2.71	13.20	3.21	5.25	11.91	4.60	10.23	21.08	13.92	5.65	4.81
15	6.08	2.70	13.80	3.20	5.85	11.03	4.20	11.90	20.80	13.59	5.43	4.56
16	5.66	2.88	12.50	3.29	6.52	10.10	3.95	12.95	20.50	13.30	5.11	4.68
17	5.27	3.74	11.89	3.15	7.33	9.41	3.74	13.70	20.30	12.72	4.83	4.76
18	5.12	5.47	11.40	3.01	7.98	8.78	3.48	14.55	20.37	11.78	4.38	4.65
19	4.53	6.25	10.86	3.00	8.19	7.90	3.40	15.13	20.70	11.10	4.29	4.53
20	4.37	6.46	10.00	3.03	8.05	7.22	3.35	15.20	20.60	10.32	4.48	4.46
21	4.49	6.47	9.04	2.95	7.70	6.71	3.15	14.91	20.25	9.77	4.79	4.65
22	4.79	6.31	8.58	3.20	7.50	6.60	3.08	14.30	19.62	8.86	4.88	4.81
23	5.33	6.23	8.27	3.54	7.39	6.52	3.46	13.72	19.12	8.29	5.00	4.83
24	6.21	6.09	7.97	3.42	7.25	6.33	3.95	12.75	18.30	8.07	5.01	4.82
25	6.79	5.81	7.69	3.15	7.12	6.37	3.77	11.08	17.75	7.96	4.63	4.75
26	7.13	5.74	7.38	2.91	6.92	6.35	3.77	10.67	17.56	7.93	4.49	4.60
27	7.17	5.95	7.05	2.85	6.61	6.11	4.48	11.50	17.10	7.69	4.41	4.41
28	7.09	5.80	6.78	2.86	6.31	5.80	5.60	11.85	16.12	7.55	4.30	4.12
29	6.97	5.54	6.75	2.82	---	5.71	6.30	12.63	15.15	7.61	4.73	3.90
30	6.93	5.46	6.65	3.03	---	5.52	6.47	12.77	14.58	7.03	5.53	4.02
31	7.08	---	6.40	3.10	---	5.30	---	13.10	---	6.69	5.93	---
MAX	13.09	9.05	13.80	5.89	8.19	13.98	7.10	15.20	22.98	15.05	6.50	7.36
MIN	3.14	2.70	4.31	2.82	3.10	5.30	3.08	5.70	13.70	6.69	4.29	3.90

07348500 RED RIVER AT SHREVEPORT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1907-08, 1956-58, 1971, 1978-1981.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: October 1977 to September 1981.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 04225.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 879,000 tons (797,000 tonnes) Apr. 4, 1979; minimum daily, 1,000 tons (908 tonnes) Oct. 1, 1977, on many days during 1978,1979,1980 and 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
08...	1400	18800	682	34600	60
29...	1400	10500	744	21100	42
NOV					
12...	1400	4000	156	1690	92
DEC					
10...	1400	5900	118	1870	92
JAN					
07...	1400	4000	146	1580	75
21...	1400	3500	121	1150	78
FEB					
18...	1400	7600	613	12600	43
MAR					
04...	1400	7600	427	8760	83
25...	1400	6800	224	5310	55
APR					
08...	1400	8300	185	4140	67
22...	1400	3400	109	1000	94
MAY					
06...	1400	7600	211	4340	75
20...	1400	39100	1050	111000	55
JUN					
03...	1400	35100	576	54600	54
15...	1400	72700	1040	205000	56
29...	1400	35600	581	55900	71
JUL					
13...	1400	33300	567	51000	58
27...	1400	11000	226	6720	89
AUG					
10...	1400	5900	209	3330	68
24...	1400	5600	89	1350	91
SEP					
14...	1400	5100	195	2680	52
21...	1400	5000	156	2100	69

07348500 RED RIVER AT SHREVEPORT, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2000	20000	4000	5000	2000	10000	4000	7000	47000	41000	5000	3000
2	9000	19000	3000	4000	1000	11000	5000	5000	48000	34000	5000	3000
3	41000	31000	3000	3000	2000	11000	5000	5000	54000	27000	4000	3000
4	79000	33000	3000	2000	4000	9000	5000	5000	69000	23000	4000	4000
5	83000	25000	3000	2000	6000	9000	5000	5000	100000	24000	5000	4000
6	68000	18000	2000	2000	7000	12000	5000	4000	196000	28000	5000	4000
7	50000	14000	2000	2000	6000	27000	5000	5000	266000	42000	5000	4000
8	35000	9000	2000	1000	5000	61000	4000	5000	295000	58000	4000	5000
9	26000	5000	2000	2000	5000	89000	4000	6000	295000	55000	4000	5000
10	21000	4000	2000	2000	6000	91000	4000	7000	295000	53000	3000	5000
11	19000	3000	2000	1000	5000	73000	4000	8000	265000	53000	3000	4000
12	17000	2000	5000	1000	4000	57000	4000	8000	237000	56000	3000	4000
13	15000	1000	17000	1000	5000	44000	4000	10000	226000	50000	3000	3000
14	12000	1000	32000	1000	6000	35000	3000	17000	215000	42000	3000	3000
15	10000	1000	35000	1000	7000	23000	3000	33000	205000	37000	2000	3000
16	9000	1000	35000	1000	8000	17000	2000	46000	195000	35000	2000	3000
17	8000	2000	29000	1000	9000	13000	2000	65000	190000	26000	2000	2000
18	7000	5000	28000	1000	13000	10000	2000	87000	194000	20000	1000	2000
19	6000	7000	24000	1000	13000	8000	2000	103000	199000	15000	1000	2000
20	5000	7000	19000	1000	14000	7000	1000	110000	199000	12000	1000	2000
21	6000	7000	14000	1000	12000	6000	1000	97000	189000	10000	1000	2000
22	7000	7000	13000	2000	13000	6000	1000	80000	170000	8000	1000	4000
23	10000	6000	12000	2000	12000	6000	2000	61000	152000	8000	1000	7000
24	14000	6000	10000	2000	12000	6000	3000	39000	130000	7000	1000	13000
25	18000	5000	10000	1000	13000	5000	2000	23000	118000	7000	1000	25000
26	22000	5000	9000	1000	11000	5000	3000	20000	110000	7000	1000	44000
27	23000	5000	8000	1000	10000	5000	4000	25000	95000	7000	1000	76000
28	23000	5000	7000	1000	9000	4000	6000	29000	71000	7000	1000	112000
29	20000	4000	7000	1000	---	4000	6000	35000	56000	7000	2000	187000
30	19000	4000	7000	1000	---	4000	6000	34000	51000	6000	2000	425000
31	21000	---	7000	1000	---	4000	---	40000	---	5000	2000	---
TOTAL	705000	262000	356000	49000	220000	672000	107000	1024000	4932000	810000	79000	963000
MEAN	22700	8730	11500	1580	7860	21700	3570	33000	164000	26100	2550	32100
MAX	83000	33000	35000	5000	14000	91000	6000	110000	295000	58000	5000	425000
MIN	2000	1000	2000	1000	1000	4000	1000	4000	47000	5000	1000	2000
DAYS	31	30	31	31	28	31	30	31	30	31	31	30

WTR YR 1981 TOTAL 10179000 MEAN 27900 MAX 425000 MIN 1000 DAYS 365

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA

LOCATION.--Lat 32°59'40", long 93°23'47", in NE1/4NE1/4 sec.16, T.23 N., R.10 W., Webster Parish, Hydrologic Unit 11140203, near left bank on downstream side of bridge on State highway 157, 0.4 mi (0.6 km) downstream from Crooked Creek, 1.7 mi (2.7 km) downstream from Arkansas-Louisiana State line, and 4.2 mi (6.8 km) southeast of intersection of State Highways 7 and 157 at Springhill.

DRAINAGE AREA.--605 mi^2 (1570 km^2).

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 173.91 ft (53.008 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good above 200 ft^3/s (5.66 m^3/s) and poor below. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--25 years, 541 ft^3/s (15.32 m^3/s), 12.15 in/yr (309 mm/yr), 392,000 acre-ft/yr (483 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,400 ft^3/s (1,030 m^3/s) Apr. 28, 1958, gage height, 22.79 ft (6.946 m); no flow Oct. 10-14, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 2,340 ft^3/s (66 m^3/s) June 21; gage height 13.36 ft (4.072 m); no peak above base of 3,000 ft^3/s (85 m^3/s); minimum, 2.0 ft^3/s (0.057 m^3/s) Oct. 4, 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	110	42	31	293	332	99	186	214	576	36	3.2
2	3.2	96	50	25	363	403	90	152	139	573	22	2.9
3	2.5	83	48	31	465	450	99	123	86	470	6.0	3.4
4	2.1	69	44	50	563	457	107	100	90	308	5.0	3.7
5	2.1	58	41	51	641	430	145	80	83	187	4.5	3.4
6	9.8	47	39	86	681	401	194	72	45	129	5.0	3.3
7	25	37	38	111	659	378	202	114	30	95	6.0	3.4
8	36	30	40	124	659	372	205	122	30	64	7.0	3.6
9	34	24	43	122	861	397	195	147	28	40	8.0	3.6
10	52	21	38	104	791	439	180	191	16	22	9.0	3.7
11	44	19	33	76	788	464	150	201	6.8	13	10	3.8
12	38	15	29	56	870	449	120	166	24	8.7	10	3.8
13	37	11	25	52	981	403	100	130	45	7.9	9.0	4.1
14	37	8.5	25	52	1040	335	90	105	123	7.1	8.0	4.4
15	27	7.7	22	42	1040	273	77	81	214	6.1	7.0	4.7
16	25	7.1	20	40	1000	229	71	58	538	5.6	6.0	4.9
17	38	6.5	22	40	942	202	100	39	853	5.0	5.5	5.0
18	82	5.7	22	48	862	183	156	26	1060	4.4	5.0	5.1
19	144	4.8	20	67	760	170	223	17	1430	4.0	5.0	4.8
20	195	5.1	20	80	661	161	453	11	2110	3.7	4.5	4.6
21	237	6.8	22	87	578	156	371	7.1	2290	3.1	4.5	4.5
22	263	7.5	24	113	508	157	338	4.4	2220	3.2	4.0	4.2
23	241	7.8	27	143	435	164	344	11	1950	3.8	4.0	3.9
24	180	7.2	26	156	356	198	345	31	1670	3.3	3.5	3.8
25	139	7.0	23	173	286	244	352	20	1450	3.6	3.5	3.8
26	127	7.2	26	187	253	263	357	7.6	1180	3.4	3.5	3.5
27	109	17	27	193	264	248	345	92	824	3.4	4.0	3.3
28	103	36	26	188	279	211	285	96	491	3.1	4.5	3.1
29	122	35	23	176	---	172	241	86	397	2.7	4.5	2.9
30	139	25	21	171	---	142	221	189	503	2.7	4.0	2.8
31	129	---	31	313	---	117	---	254	---	4.8	3.7	---
TOTAL	2625.5	821.9	937	3188	17879	9000	6255	2919.1	20139.8	2566.6	222.2	115.2
MEAN	84.7	27.4	30.2	103	639	290	209	94.2	671	82.8	7.17	3.84
MAX	263	110	50	313	1040	464	453	254	2290	576	36	5.1
MIN	2.1	4.8	20	25	253	117	71	4.4	6.8	2.7	3.5	2.8
CFSM	.14	.05	.05	.17	1.06	.48	.35	.16	1.11	.14	.01	.006
IN.	.16	.05	.06	.20	1.10	.55	.38	.18	1.24	.16	.01	.01
AC-FT	5210	1630	1860	6320	35460	17850	12410	5790	39950	5090	441	228

CAL YR 1981 TOTAL 97113.79 MEAN 266 MAX 4610 MIN .73 CFSM .44 IN 5.97 AC-FT 192600
WTR YR 1982 TOTAL 66669.30 MEAN 183 MAX 2290 MIN 2.1 CFSM .30 IN 4.10 AC-FT 132200

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.82	6.00	5.03	4.96	8.47	8.83	6.27	7.09	7.38	9.71	4.44	3.72
2	3.82	5.80	5.19	4.89	8.94	9.27	6.13	6.62	6.43	9.70	4.21	3.71
3	3.78	5.60	5.15	4.98	9.52	9.54	6.25	6.21	5.67	9.18	3.86	3.73
4	3.76	5.41	5.09	5.27	9.99	9.58	6.35	5.88	5.73	8.16	---	3.75
5	3.76	5.25	5.05	5.29	10.33	9.43	6.88	5.59	5.63	7.08	---	3.73
6	4.02	5.09	---	5.89	10.50	9.26	7.52	5.48	5.10	6.29	---	3.73
7	4.37	4.96	---	6.33	10.41	9.12	7.59	6.08	4.88	5.81	---	3.73
8	4.52	4.86	5.07	6.61	10.40	9.09	7.62	6.19	4.88	5.37	---	3.74
9	4.46	4.77	5.09	6.68	11.18	9.23	7.48	6.55	4.84	5.02	---	3.74
10	4.76	4.73	5.01	6.53	10.93	9.48	---	7.14	4.64	4.72	---	3.74
11	4.11	4.69	4.94	6.23	10.92	9.61	---	7.26	4.41	4.51	---	3.75
12	4.07	4.61	4.88	5.94	11.21	9.53	---	6.83	4.77	4.39	---	3.75
13	4.54	4.51	4.82	5.88	11.57	9.27	---	6.29	5.09	4.35	---	3.76
14	4.54	4.43	4.82	5.88	11.74	8.85	---	5.94	6.20	4.29	---	3.78
15	4.40	4.39	4.78	5.73	11.74	8.40	5.83	5.61	7.40	4.22	---	3.80
16	4.37	4.35	4.74	5.71	11.64	8.03	5.76	5.28	9.44	4.17	---	3.81
17	4.56	4.32	4.77	5.71	11.45	7.78	6.12	5.00	10.89	4.09	---	3.81
18	5.19	4.27	4.77	5.83	11.18	7.59	6.87	4.81	11.59	4.01	---	3.81
19	6.11	4.20	4.75	6.10	10.81	7.41	7.57	4.67	12.29	3.94	---	3.79
20	6.90	4.24	4.74	6.28	10.42	7.29	9.12	4.55	13.03	3.86	---	3.78
21	7.39	4.40	4.78	6.39	10.05	7.20	8.60	4.42	13.30	3.79	---	3.77
22	7.64	4.42	4.81	6.70	9.72	7.18	8.39	4.31	13.25	3.74	---	3.76
23	7.44	4.43	4.85	7.07	9.40	7.26	8.43	4.43	13.04	3.72	---	3.75
24	6.75	4.41	4.83	7.21	8.98	7.66	8.44	4.86	12.78	3.73	---	3.74
25	6.14	4.40	4.80	7.39	8.49	8.08	8.49	4.70	12.45	3.74	---	3.74
26	5.99	4.41	4.83	7.57	8.24	8.23	8.51	4.44	11.94	3.73	---	3.73
27	5.78	4.63	4.85	7.63	8.33	8.10	8.44	5.76	10.83	3.71	---	3.71
28	5.74	4.93	4.84	7.57	8.45	7.76	8.00	5.82	9.30	3.69	---	3.70
29	6.06	4.93	4.81	7.41	---	7.31	7.64	5.67	8.76	3.68	---	3.70
30	6.35	4.79	4.80	7.33	---	6.89	7.46	7.08	9.36	3.70	---	3.69
31	6.24	---	4.95	8.62	---	6.51	---	7.74	---	3.80	3.74	---
MAX	7.64	6.00	5.19	8.62	11.74	9.61	9.12	7.74	13.30	9.71	4.44	3.81
MIN	3.76	4.20	4.74	4.89	8.24	6.51	5.76	4.31	4.41	3.68	3.74	3.69

07349000 BAYOU DORCHEAT NEAR MINDEN, LA.

LOCATION.--Lat 32°35'55", long 93°19'59", in NE1/4NW1/4 sec.31, T.19 N., R.9 W., Webster Parish, Hydrologic Unit 11130203, on left bank 500 ft (152 m) upstream from bridge on U.S. Highway 80, 0.7 mi (1.1 km) upstream from Louisiana and Arkansas Railway Co. bridge, 3.0 mi (4.8 km) west of Minden, and 28 mi (45 km) upstream from Lake Bistineau dam.

DRAINAGE AREA.--1,097 mi^2 (2,841 km^2).

PERIOD OF RECORD.--July 1928 to September 1931, October 1936 to September 1979. October 1979 to current year (annual maximum and gage heights only). Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1211: Drainage area. WSP 1241: 1941.

GAGE.--Water-stage recorder. Datum of gage is 133.75 ft (40.767 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 1, 1940, nonrecording gage at same site and datum. July 29, 1953, to Sept. 30, 1979, supplementary water-stage recorder 4.6 mi (7.4 km) upstream from base gage at different datum.

REMARKS.--Gage heights affected by Lake Bistineau.

AVERAGE DISCHARGE.--46 years (water years 1929-31, 1937-79), 1,111 ft^3/s (31.46 m^3/s), 13.75 in/yr (349 mm/yr), 804,900 acre-ft/yr (992 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,800 ft^3/s (1,270 m^3/s) May 1, 1958, gage height, 24.90 ft (7.590 m); no flow at times in 1954, 1956, 1964, 1969, 1972, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,000 ft^3/s (56.6 m^3/s) June 27, 28, gage height, 10.53 ft (3.209 m); minimum gage height, 6.16 ft (1.878 m) Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.92	7.36	7.28	7.22	8.15	---	7.52	7.85	7.23	9.30	7.11	6.61
2	6.88	7.34	7.32	7.26	8.31	8.34	7.55	7.74	7.25	8.46	7.12	6.59
3	6.86	7.33	7.34	7.34	8.52	8.37	7.64	7.67	7.28	8.14	7.09	6.58
4	6.85	7.32	7.36	7.41	8.63	8.35	7.51	7.60	7.30	8.05	7.08	6.56
5	6.85	7.31	7.34	7.40	8.66	8.25	7.48	7.56	7.25	7.99	7.06	6.54
6	6.83	7.29	7.33	7.41	---	8.27	7.50	7.51	7.25	7.90	7.04	6.52
7	6.87	7.28	7.31	7.32	---	8.30	---	7.59	7.24	7.74	7.03	6.50
8	7.02	7.28	7.31	7.33	---	8.28	---	7.54	7.23	7.60	7.03	6.47
9	7.04	7.27	7.30	7.36	---	8.26	---	7.52	7.23	7.54	7.01	6.45
10	7.19	7.25	7.28	7.28	---	8.27	---	7.62	7.21	7.47	7.00	6.43
11	7.20	7.26	7.29	7.33	---	8.26	---	7.68	7.18	7.43	6.98	6.42
12	7.22	7.25	7.25	7.36	---	8.21	---	7.66	7.24	7.39	6.96	6.43
13	7.23	7.24	7.25	7.41	---	8.17	---	7.61	7.24	7.34	6.98	6.41
14	7.26	7.23	7.28	7.45	---	7.79	---	7.63	7.24	7.32	6.96	6.40
15	7.22	7.23	7.30	7.44	---	7.75	---	7.57	7.23	7.31	6.96	6.43
16	7.24	7.23	7.30	7.42	---	7.68	---	7.50	7.29	7.29	6.92	6.40
17	7.25	7.22	7.28	7.40	---	7.65	7.43	7.46	7.29	7.28	6.90	6.40
18	7.23	7.21	7.24	7.42	---	7.66	7.42	7.42	7.49	7.26	6.86	6.38
19	7.21	7.25	7.28	7.43	---	7.66	7.51	7.49	7.84	7.23	6.85	6.37
20	7.22	7.19	7.26	7.43	---	7.68	7.63	7.45	8.29	7.22	6.83	6.36
21	7.21	7.18	7.30	7.46	---	7.65	7.93	7.41	8.69	7.18	6.81	6.28
22	7.23	7.18	7.36	7.50	---	7.60	8.10	7.39	9.08	7.17	6.79	6.31
23	7.22	7.18	7.27	7.52	---	7.59	8.43	7.36	9.32	7.13	6.80	6.30
24	7.24	7.16	7.25	7.60	---	7.72	8.60	7.33	9.62	7.11	6.77	6.29
25	7.29	7.17	7.27	7.69	---	7.56	8.64	7.33	9.97	7.08	6.75	6.28
26	7.32	7.27	7.27	7.74	---	7.56	8.53	7.31	10.36	7.10	6.72	6.24
27	7.32	7.18	7.27	7.76	---	7.49	8.31	7.32	10.50	7.07	6.69	6.24
28	7.31	7.13	7.27	7.73	---	7.47	8.11	7.29	10.51	7.06	6.67	6.23
29	7.31	7.13	7.22	7.69	---	7.50	8.06	7.29	10.36	7.10	6.63	6.20
30	7.30	7.26	7.22	7.70	---	7.48	7.97	7.27	9.99	7.12	6.63	6.19
31	7.31	---	7.26	8.08	---	7.53	---	7.27	---	7.11	6.61	---
MAX	7.32	7.36	7.36	8.08	---	---	---	7.85	10.51	9.30	7.12	6.61
MIN	6.83	7.13	7.22	7.22	---	7.47	---	7.27	7.18	7.06	6.61	6.19

07349250 LAKE BISTINEAU NEAR RINGGOLD, LA

LOCATION.--Lat 32°19'46", long 93°26'10", in SE1/4NW1/4 sec.31, T.16 N., R.10 W., Bossier Parish, Hydrologic Unit 11140203, 40 ft (12 m) upstream from spillway near right bank on upstream side of bridge on State Highway 154, 9.0 mi (14.5 km) west of Ringgold, and 17.0 mi (27.4 km) upstream from mouth.

DRAINAGE AREA.--1,443 mi^2 (3,737 km^2).

PERIOD OF RECORD.--October 1968 to current year (gage heights only).

REVISED RECORDS.--WRD LA-1971: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 130.00 ft (39.624 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed by an earthfill dam containing a 1,200-ft (370-m) concrete spillway equipped with twelve adjustable gates and a fish ladder. Each gate is 6.0 ft (1.83 m) wide and 5.0 ft (1.52 m) high and fits into a notch along the spillway crest. The 1.75-ft (0.533-m) thick spillway crest is flat and has an invert at 11 ft (3.4 m) gage height with invert of the notches at 6 ft (1.8 m) gage height. The fish ladder is 4 ft (1.2 m) wide and begins flowing at 4.1 ft (1.25 m) gage height. Capacity at spillway crest is 120,000 acre-ft (148 hm^3). Dam was completed in 1935 and enlarged in 1951. Reservoir is used for flood control and conservation. The gates were closed all year except for one which remained partially open all year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.56 ft (4.438 m) Feb. 8, 1975; minimum, 3.72 ft (1.134 m) Nov. 29, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.71 ft (3.569 m) June 29; minimum, 9.94 ft (3.030 m) Sept. 29, 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.68	---	10.99	10.99	11.45	11.46	11.23	11.36	11.00	11.64	10.86	10.36
2	10.69	---	10.99	11.03	11.44	11.44	11.18	11.32	10.97	11.57	10.85	10.34
3	10.65	---	10.99	10.99	11.44	11.41	11.26	11.29	10.96	11.48	10.84	10.35
4	10.61	---	10.96	11.05	11.45	11.41	11.24	11.25	10.96	11.41	10.82	10.36
5	10.60	---	10.98	11.11	11.44	11.45	11.24	11.21	11.00	11.35	10.80	10.33
6	10.59	---	11.07	11.12	11.49	11.46	11.27	11.19	10.96	11.32	10.78	10.29
7	10.71	11.04	11.04	11.05	11.47	11.43	11.19	11.29	10.95	11.29	10.78	10.28
8	10.80	11.03	11.05	11.06	11.44	11.40	11.15	11.24	10.95	11.26	10.78	10.26
9	10.82	11.03	11.04	11.17	11.53	11.41	11.17	11.21	10.94	11.23	10.77	10.24
10	10.91	11.05	11.04	11.13	11.59	11.40	11.17	11.20	10.94	11.19	10.74	10.22
11	10.95	11.01	11.03	11.08	11.56	11.40	11.16	11.19	10.94	11.14	10.74	10.20
12	10.96	11.00	11.06	11.15	11.57	11.39	11.15	11.19	11.01	11.15	10.73	10.18
13	10.97	10.99	11.02	11.06	11.59	11.40	11.14	11.19	11.00	11.11	10.73	10.17
14	10.94	10.99	11.06	11.05	11.59	11.38	11.18	11.23	10.98	11.08	10.71	10.15
15	10.97	10.98	11.05	11.17	11.57	11.37	11.17	11.19	10.96	11.06	10.69	10.19
16	10.99	10.98	11.04	11.15	11.63	11.37	11.16	11.20	10.98	11.03	10.68	10.19
17	10.97	10.98	11.03	11.13	11.61	11.37	11.20	11.17	10.99	11.01	10.66	10.18
18	11.03	10.98	11.09	11.15	11.69	11.35	11.15	11.15	11.00	10.99	10.67	10.15
19	10.98	10.93	11.03	11.13	11.67	11.27	11.15	11.17	11.05	10.97	10.64	10.15
20	10.97	10.97	11.02	11.14	11.65	11.30	11.26	11.16	11.14	10.95	10.61	10.14
21	10.95	10.96	11.01	11.14	11.61	11.34	11.47	11.12	11.22	10.93	10.58	10.18
22	10.98	10.93	10.93	11.16	11.60	11.46	11.41	11.10	11.35	10.92	10.56	10.10
23	11.07	10.93	10.93	11.22	11.54	11.42	11.40	11.08	11.40	10.90	10.54	10.06
24	---	10.90	11.04	11.20	11.55	11.37	11.39	11.08	11.45	10.88	10.51	10.05
25	---	10.92	11.07	11.19	11.53	11.33	11.44	11.03	11.49	10.87	10.49	10.03
26	---	10.91	11.01	11.23	11.56	11.33	11.44	11.05	11.63	10.83	10.47	10.02
27	---	10.85	10.99	11.21	11.49	11.25	11.44	11.03	11.64	10.82	10.44	9.99
28	---	10.95	11.02	11.22	11.49	11.27	11.40	11.03	11.65	10.79	10.43	9.97
29	---	10.94	10.99	11.23	---	11.22	11.40	11.01	11.71	10.83	10.42	9.95
30	---	10.92	11.04	11.17	---	11.22	11.39	10.99	11.68	10.85	10.38	9.95
31	---	---	11.03	11.34	---	11.23	---	10.99	---	10.84	10.36	---
MAX	---	---	11.09	11.34	11.69	11.46	11.47	11.36	11.71	11.64	10.86	10.36
MIN	10.59	10.85	10.93	10.99	11.44	11.22	11.14	10.99	10.94	10.79	10.36	9.95

07349374 FLAT RIVER NEAR CURTIS, LA

LOCATION.--Lat 32°26'20", long 93°37'37", in NW1/4NW1/4 sec.29, T.17 N., R.12 W., Bossier Parish, Hydrologic Unit 22240204, near left bank on downstream side of bridge on State Highway 612, 1.0 (1.6 km) east of Curtis.

DRAINAGE AREA.--Indeterminate (see REMARKS).

PERIOD OF RECORD.--March 1980 to current year.

GAGE.--Nonrecording gage read twice daily. Datum of gage is 123.67 ft (37.695 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 17, 1982, water-stage recorder at same site. Prior to Oct. 1, 1981 at datum 10.00 ft (3.048 m) higher.

REMARKS.--Records fair above 60 cfs and poor below. Channel dredged August, 1982. Interconnecting system of drainage ditches above station produces an interchange of flow which makes the drainage area indeterminable. Bodcau-Red Chute Bayou and Flat River basins are connected by canal upstream. Some regulation by several upstream lakes and reservoirs, combined capacity about 388,000 acre-ft (478 hm^3). Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,220 ft^3/s (34.6 m^3/s) Apr. 14, 1980, gage height, 27.39 ft or 8.348 m, present datum, (prior to dredging August 1982); no flow Aug. 10-12, 1982, result of temporary dam. Minimum daily discharge not regulated, 1.5 ft^3/s (0.042 m^3/s) Sept. 10, 11, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,040 ft^3/s (29.5 m^3/s) Oct. 16, gage height, 25.99 ft (7.922 m); no flow Aug. 10-12 result of temporary dam. Minimum daily discharge not regulated, 1.5 ft^3/s (0.042 m^3/s) Sept. 10, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	13	21	7.0	125	41	13	6.7	6.5	6.1	8.7	2.2
2	3.6	16	12	7.7	84	33	14	6.5	6.3	5.9	24	2.0
3	4.4	13	9.2	24	62	29	18	6.5	6.1	5.9	16	2.4
4	4.3	10	7.6	38	45	26	15	6.5	6.0	5.7	13	3.6
5	4.2	8.7	6.6	17	38	24	13	6.3	6.3	5.5	11	2.4
6	60	8.1	6.2	13	83	31	11	6.4	6.0	5.4	10	1.9
7	192	7.2	6.1	12	63	34	10	11	5.9	5.4	9.5	1.8
8	172	7.1	6.0	11	71	26	9.0	10	5.9	16	6.1	1.7
9	133	7.9	5.9	11	214	23	8.0	6.7	5.5	30	3.0	1.6
10	257	8.5	5.6	11	154	21	8.0	6.3	4.9	9.1	.00	1.5
11	106	7.5	5.3	12	108	20	8.0	6.2	4.7	7.4	.00	1.5
12	79	7.0	5.3	13	67	19	7.0	6.1	4.8	10	.00	1.8
13	61	6.9	5.6	28	45	18	7.0	6.4	7.2	8.7	12	2.1
14	45	6.8	10	25	35	18	6.0	40	7.0	8.3	11	2.1
15	257	6.7	11	24	30	17	6.0	21	5.4	7.7	10	2.3
16	846	6.5	8.0	38	46	17	7.0	8.0	11	7.3	8.9	2.4
17	360	6.4	7.6	30	36	16	9.2	5.0	14	7.1	8.3	2.4
18	210	6.4	8.7	23	30	16	10	5.5	8.8	7.1	7.0	2.5
19	113	6.4	7.9	22	27	16	9.6	5.0	7.8	7.0	6.3	4.0
20	66	6.3	7.4	21	24	16	40	5.4	12	6.9	5.1	4.5
21	47	6.3	7.4	26	23	18	111	8.0	18	6.6	4.6	4.5
22	38	6.4	7.6	41	22	70	24	6.6	27	6.5	3.9	4.2
23	33	6.4	7.6	54	21	41	13	6.1	13	6.5	3.3	4.2
24	29	6.4	7.4	69	20	27	9.8	7.0	8.6	6.5	2.9	4.0
25	26	6.4	7.3	53	20	22	14	13	7.9	6.4	2.5	3.5
26	25	6.5	7.1	36	58	18	10	11	8.2	6.8	2.4	3.0
27	24	6.4	7.0	26	91	16	7.9	8.7	7.3	11	2.3	3.0
28	21	6.3	7.0	23	56	15	7.2	7.7	6.8	9.1	2.4	2.9
29	19	7.0	7.0	21	---	15	7.0	7.6	6.6	8.5	2.4	2.8
30	17	20	7.0	34	---	14	7.0	6.9	6.4	8.4	2.4	2.7
31	15	---	7.0	247	---	13	---	6.9	---	8.1	2.1	---
TOTAL	3271.2	244.5	242.4	1017.7	1698	730	439.7	271.0	251.9	256.9	201.10	81.5
MEAN	106	8.15	7.82	32.8	60.6	23.5	14.7	8.74	8.40	8.29	6.49	2.72
MAX	846	20	21	247	214	70	111	40	27	30	24	4.5
MIN	3.6	6.3	5.3	7.0	20	13	6.0	5.0	4.7	5.4	.00	1.5
AC-FT	6490	485	481	2020	3370	1450	872	538	500	510	399	162

CAL YR 1981 TOTAL 13064.80 MEAN 35.8 MAX 912 MIN 1.7 AC-FT 25910
WTR YR 1982 TOTAL 8705.90 MEAN 23.9 MAX 846 MIN .00 AC-FT 17270

07349374 FLAT RIVER NEAR CURTIS, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.86	15.05	15.53	14.81	17.95	15.92	14.95	14.89	14.89	14.78	14.87	14.77
2	14.85	15.24	15.19	14.86	17.16	15.60	14.98	14.88	14.87	14.77	15.64	14.76
3	14.91	15.14	15.06	15.41	16.60	15.41	15.21	14.87	14.86	14.77	15.27	14.79
4	14.90	15.06	14.95	15.95	16.08	15.28	---	14.88	14.86	14.75	15.10	14.89
5	14.89	15.02	14.89	15.13	15.80	15.22	---	14.87	14.88	14.74	15.03	14.80
6	16.57	14.99	14.86	14.90	17.14	15.52	---	14.87	14.86	14.73	14.97	14.75
7	18.78	14.93	14.85	14.84	16.65	15.77	---	15.15	14.85	14.73	14.93	14.74
8	18.53	14.92	14.84	14.81	16.72	15.44	---	15.09	14.85	15.13	15.10	---
9	17.73	14.97	14.84	14.80	19.08	15.31	---	14.89	14.82	15.81	15.38	---
10	19.45	15.01	14.81	14.79	18.37	15.21	---	14.86	14.78	14.90	16.23	7.62
11	17.53	14.95	14.80	14.79	17.67	15.14	---	14.86	14.77	14.79	17.19	7.66
12	16.95	14.91	14.80	14.85	16.74	15.10	---	14.85	14.77	14.96	17.92	7.68
13	16.44	14.91	14.82	15.55	16.07	15.07	---	14.90	14.93	14.87	17.32	7.75
14	15.88	14.90	15.06	15.36	15.69	15.03	---	16.29	14.92	14.85	15.20	7.76
15	18.00	14.89	15.07	15.31	15.50	15.01	---	15.75	14.82	14.81	14.97	7.85
16	24.49	14.87	14.88	15.88	16.09	14.98	---	15.03	15.07	14.78	14.97	7.87
17	20.42	14.87	14.85	15.53	15.74	14.97	14.90	14.88	15.24	14.77	14.97	---
18	18.98	14.87	14.93	15.22	15.47	14.96	14.91	14.92	14.96	14.77	15.23	---
19	17.62	14.87	14.87	15.14	15.33	14.96	14.88	14.85	14.89	14.76	15.21	---
20	16.57	14.87	14.84	15.06	15.22	14.93	16.08	14.87	15.14	14.75	15.08	8.50
21	15.97	14.86	14.84	15.29	15.17	15.05	17.66	15.04	15.43	14.74	15.00	8.20
22	15.63	14.87	14.85	15.91	15.11	16.90	15.73	14.95	15.80	14.73	14.94	8.27
23	15.48	14.87	14.85	16.34	15.06	16.11	15.27	14.92	15.21	14.73	14.90	8.30
24	15.34	14.87	14.83	16.80	15.02	15.63	15.09	14.98	14.94	14.73	14.85	8.24
25	15.24	14.87	14.83	16.34	14.99	15.38	15.29	15.26	14.89	14.72	14.81	8.18
26	15.24	14.87	14.82	15.70	16.23	15.19	15.10	15.17	14.92	14.75	14.80	8.16
27	15.26	14.87	14.81	15.32	17.30	15.08	14.97	15.04	14.86	14.99	14.79	8.14
28	15.19	14.86	14.81	15.13	16.44	15.05	14.92	14.96	14.82	14.90	14.80	8.11
29	15.16	14.91	14.81	15.07	---	15.05	14.91	14.96	14.82	14.86	14.80	8.10
30	15.13	15.50	14.81	15.45	---	15.01	14.91	14.91	14.80	14.85	14.80	8.08
31	15.07	---	14.81	19.39	---	14.97	---	14.91	---	14.84	14.77	---
MAX	24.49	15.50	15.53	19.39	19.08	16.90	17.66	16.29	15.80	15.81	17.92	14.89
MIN	14.85	14.86	14.80	14.79	14.99	14.93	---	14.85	14.77	14.72	14.77	---

07349500 BODCAU BAYOU NEAR SAREPTA, LA

LOCATION.--Lat 32°54'18", long 93°28'58", in NE1/4 NE1/4 sec.15, T. 22 N., R.11 W., Bossier-Webster Parish line, Hydrologic Unit 11130105, on left bank on downstream side of bridge on State Highway 2, 2.1 mi (3.4 km) northwest of Sarepta, and 9.5 mi (15.3 km) upstream from Caney Creek.

DRAINAGE AREA.--546 mi^2 (1,414 km^2).

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 173.91 ft (53.008 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good. Some diversion and regulation by Lake Erling (usable capacity, 79,000 acre-ft or 97.4 km^3) 15 mi (24 km) upstream. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--44 years, 562 ft^3/s (15.92 m^3/s), 407,200 acre-ft/yr (502 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,600 ft^3/s (527 m^3/s) May 2, 1958, gage height, 25.14 ft (7.663 m); minimum, 0.1 ft^3/s (0.003 m^3/s) at times in 1939, 1943, 1952, and 1954; minimum gage height, 1.43 ft (0.436 m) Aug. 14-19, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 22, 23, 1930, exceeded 25 ft (7.6 m) and flood in 1905 may have reached a stage of 27 ft (8.2 m) from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,560 ft^3/s (44.2 m^3/s) June 25, gage height, 13.84 ft (4.218 m), no peak above base of 3,000 ft^3/s (85 m^3/s); minimum, 9.0 ft^3/s (0.255 m^3/s) Sept. 15; minimum gage height, 2.09 ft (0.637 m) July 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	44	86	29	336	546	152	44	105	835	35	13
2	13	45	61	29	326	530	68	38	116	738	53	16
3	12	45	49	37	305	510	39	33	116	641	42	18
4	12	45	44	52	286	491	33	33	101	550	25	18
5	19	45	41	62	270	472	32	32	94	467	18	17
6	26	45	39	54	281	481	29	33	111	398	16	15
7	37	45	38	42	278	492	29	61	99	339	23	14
8	52	45	36	37	338	493	26	72	71	281	25	13
9	58	45	35	35	568	494	22	96	52	229	25	12
10	70	45	34	34	576	486	20	83	41	182	25	11
11	72	45	33	32	604	468	19	71	32	142	25	11
12	53	47	33	33	658	404	18	70	36	111	25	10
13	41	47	33	38	686	312	16	71	62	91	26	9.8
14	36	46	35	40	680	273	16	69	93	77	26	9.4
15	34	46	35	44	661	252	16	76	81	59	25	9.2
16	38	46	34	55	645	240	15	80	235	43	23	9.2
17	43	45	34	54	626	234	25	79	380	32	22	9.9
18	52	44	33	52	611	230	28	67	567	24	21	15
19	49	44	32	49	596	227	43	59	736	19	19	17
20	47	43	32	48	584	223	205	51	842	16	19	17
21	45	41	32	51	572	221	265	40	909	15	18	16
22	43	43	32	68	558	232	232	35	1010	14	16	17
23	43	44	31	92	544	234	175	40	1250	13	16	25
24	42	43	30	103	531	230	119	101	1490	13	15	28
25	44	42	30	114	521	225	86	66	1550	12	14	28
26	59	42	31	112	542	219	66	54	1480	12	13	27
27	49	42	31	108	563	214	56	67	1360	11	13	27
28	45	41	30	106	557	210	51	107	1210	11	14	26
29	43	126	29	106	---	207	45	131	1040	11	14	25
30	42	129	28	123	---	205	39	111	950	9.8	14	34
31	42	---	29	301	---	206	---	103	---	13	14	---
TOTAL	1274	1495	1130	2140	14303	10261	1985	2073	16259	5408.8	679	517.5
MEAN	41.1	49.8	36.5	69.0	511	331	66.2	66.9	542	174	21.9	17.3
MAX	72	129	86	301	686	546	265	131	1550	835	53	34
MIN	12	41	28	29	270	205	15	32	32	9.8	13	9.2
AC-FT	2530	2970	2240	4240	28370	20350	3940	4110	32250	10730	1350	1030

CAL YR 1981 TOTAL 92726.0 MEAN 254 MAX 2950 MIN 12 AC-FT 183900
WTR YR 1982 TOTAL 57525.3 MEAN 158 MAX 1550 MIN 9.2 AC-FT 114100

07349500 BODCAU BAYOU NEAR SAREPTA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.31	3.27	4.11	2.95	7.17	8.91	4.89	3.08	4.16	10.44	2.81	2.34
2	2.29	3.30	3.67	2.96	7.09	8.78	3.57	2.92	4.35	9.82	3.27	2.43
3	2.26	3.29	3.45	3.17	6.89	8.63	2.99	2.79	4.34	9.18	3.02	2.48
4	2.26	3.30	3.34	3.50	6.72	8.48	2.84	2.81	4.11	8.54	2.58	2.49
5	2.48	3.30	3.26	3.71	6.57	8.34	2.81	2.78	3.98	7.95	2.38	2.44
6	2.72	3.30	3.21	3.53	6.69	8.39	2.74	2.80	4.27	7.41	2.34	2.39
7	3.02	3.30	3.18	3.29	6.67	8.45	2.73	3.42	4.07	6.91	2.54	2.35
8	3.37	3.29	3.15	3.15	7.19	8.44	2.65	3.61	3.59	6.37	2.61	2.32
9	3.51	3.31	3.10	3.10	9.01	8.44	2.53	4.02	3.24	5.82	2.61	2.29
10	3.76	3.30	3.08	3.08	9.08	8.37	2.48	3.80	2.99	5.27	2.61	2.27
11	3.82	3.30	3.07	3.03	9.27	8.23	2.46	3.59	2.77	4.73	2.63	2.24
12	3.45	3.33	3.05	3.06	9.62	7.73	2.41	3.58	2.88	4.27	2.63	2.23
13	3.19	3.34	3.05	3.19	9.80	6.93	2.38	3.60	3.42	3.94	2.64	2.21
14	3.08	3.32	3.10	3.24	9.77	6.54	2.36	3.57	3.97	3.69	2.66	2.20
15	3.02	3.32	3.11	3.32	9.65	6.31	2.36	3.68	3.77	3.37	2.63	2.19
16	3.13	3.32	3.09	3.55	9.56	6.16	2.34	3.75	5.78	3.04	2.59	2.19
17	3.25	3.30	3.09	3.55	9.45	6.09	2.63	3.73	7.25	2.77	2.55	2.21
18	3.44	3.28	3.06	3.51	9.36	6.04	2.73	3.54	8.66	2.55	2.52	2.37
19	3.39	3.28	3.02	3.44	9.27	5.99	3.02	3.38	9.81	2.40	2.49	2.47
20	3.33	3.25	3.03	3.41	9.20	5.94	5.53	3.23	10.48	2.32	2.47	2.49
21	3.29	3.21	3.02	3.47	9.12	5.91	6.21	2.99	10.88	2.28	2.44	2.46
22	3.26	3.24	3.03	3.81	9.03	6.01	5.86	2.86	11.46	2.25	2.41	2.49
23	3.26	3.27	3.01	4.21	8.94	6.01	5.17	2.94	12.63	2.24	2.38	2.72
24	3.24	3.26	2.98	4.40	8.86	5.96	4.39	4.10	13.61	2.21	2.36	2.80
25	3.28	3.23	2.99	4.57	8.77	5.89	3.86	3.50	13.81	2.20	2.33	2.80
26	3.58	3.22	3.02	4.54	8.92	5.82	3.52	3.27	13.56	2.18	2.30	2.78
27	3.38	3.23	3.01	4.48	9.05	5.76	3.32	3.53	13.08	2.16	2.32	2.77
28	3.29	3.20	2.98	4.45	9.00	5.70	3.23	4.19	12.46	2.14	2.35	2.75
29	3.25	4.62	2.96	4.44	---	5.64	3.09	4.58	11.81	2.15	2.35	2.71
30	3.23	4.79	2.94	4.70	---	5.61	2.95	4.26	11.11	2.11	2.35	3.03
31	3.23	---	2.95	6.82	---	5.61	---	4.13	---	2.21	2.34	---
MAX	3.82	4.79	4.11	6.82	9.80	8.91	6.21	4.58	13.81	10.44	3.27	3.03
MIN	2.26	3.20	2.94	2.95	6.57	5.61	2.34	2.78	2.77	2.11	2.30	2.19

07349795 CYPRESS BAYOU ABOVE BENTON, LA

LOCATION.--Lat 32°47'15", long 93°42'27", in SW1/4 NE1/4 sec.28, T.20 N., R.12 W., Bossier Parish, Hydrologic Unit 11140204, near center of span on downstream side of bridge on State Highway 160, 0.7 mi (1.1 km) east of Swingleville, 1.0 mi (1.6 km) northeast of Alden Bridge, and 6.0 mi (9.7 km) north of Benton.

DRAINAGE AREA.--88.9 mi^2 (230.3 km^2).

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 180 ft (55 m), from topographic map.

REMARKS.--Records good. Since October 1961, flow regulated by 3 flood-control reservoirs above station (combined capacity of reservoirs, 1,784 acre-ft or 2.20 hm^3). Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--8 years, 72.2 ft^3/s (2.05 m^3/s), 52,300 acre-ft/yr (64.5 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,970 ft^3/s (112 m^3/s) Feb. 3, 1975, gage height, 11.99 ft (3.655 m); minimum, no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 373 ft^3/s (10.6 m^3/s), Feb. 9, gage height, 8.13 (2.478 m), no peaks above base of 900 ft^3/s (25.5 m^3/s); no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	2.5	159	4.0	229	86	15	12	.41	4.1	.05	.00
2	.00	3.7	100	4.0	213	61	16	9.1	.35	2.9	.06	.00
3	.00	5.1	42	9.9	163	50	20	7.4	.34	1.7	.06	.00
4	.00	5.1	23	55	128	46	34	7.0	.36	1.0	.04	.00
5	.00	5.1	14	56	102	44	34	6.5	.34	.62	.02	.00
6	.00	4.5	9.7	36	110	51	27	7.0	.27	.42	.00	.00
7	.00	3.3	7.8	25	125	101	21	8.0	.23	.26	.00	.00
8	.00	3.5	6.5	18	137	104	17	7.0	.19	.22	1.1	.00
9	.00	3.5	6.0	13	321	71	15	6.5	.15	.18	.88	.00
10	11	3.7	5.7	11	345	55	13	6.0	.12	.18	.65	.00
11	20	3.7	5.0	10	306	48	12	5.5	.11	.33	.17	.00
12	7.7	3.9	4.8	10	219	44	12	5.0	.17	.26	.15	.00
13	1.2	4.0	4.9	12	130	42	12	4.5	.15	.22	.29	.00
14	.46	4.1	5.7	13	88	40	11	5.0	.12	.20	1.3	.00
15	.61	4.1	7.4	17	72	36	9.6	10	.10	.16	.28	.00
16	6.7	4.8	8.4	32	70	34	8.2	8.6	14	.12	.37	.00
17	17	4.8	8.5	43	71	32	24	5.7	92	.10	.18	.00
18	13	4.9	7.5	35	64	30	32	4.2	99	.07	.34	.00
19	13	4.9	6.9	31	52	28	15	3.0	38	.05	.20	.00
20	6.3	5.1	6.6	31	42	25	45	2.2	14	.04	.21	.00
21	2.4	5.1	6.8	32	36	24	122	1.7	8.7	.02	.16	.00
22	1.3	4.8	6.5	86	33	31	114	1.4	16	.01	.09	.00
23	1.1	4.9	6.7	120	29	46	68	1.1	36	.19	.05	.00
24	1.0	4.8	6.7	105	26	40	41	1.0	24	.31	.02	.00
25	1.2	4.9	6.1	69	24	32	37	.82	9.8	.21	.00	.00
26	3.8	4.8	5.5	47	49	27	45	.79	4.7	.20	.00	.00
27	9.0	4.9	5.5	35	137	21	41	1.3	2.9	.15	.00	.00
28	5.8	5.2	5.1	27	136	18	29	1.3	2.6	.10	.00	.00
29	3.8	15	4.4	25	---	16	20	.93	2.1	.07	.00	.00
30	2.8	104	4.2	34	---	15	14	.63	3.0	.05	.00	.00
31	2.2	---	4.1	179	---	15	---	.51	---	.05	.00	---
TOTAL	131.37	242.7	501.0	1224.9	3457	1313	923.8	141.68	370.21	14.51	6.67	.00
MEAN	4.24	8.09	16.2	39.5	123	42.4	30.8	4.57	12.3	.47	.22	.000
MAX	20	104	159	179	345	104	122	12	99	4.1	1.3	.00
MIN	.00	2.5	4.1	4.0	24	15	8.2	.51	.10	.01	.00	.00
AC-FT	261	481	994	2430	6860	2600	1830	281	734	29	13	.00

CAL YR 1981 TOTAL 9892.86 MEAN 27.1 MAX 554 MIN .00 AC-FT 19620
WTR YR 1982 TOTAL 8326.84 MEAN 22.8 MAX 345 MIN .00 AC-FT 16520

07349795 CYPRESS BAYOU ABOVE BENTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.78	2.73	6.19	2.84	7.07	5.14	3.18	2.96	2.10	2.69	1.90	1.49
2	.72	2.83	5.28	2.85	6.88	4.65	3.20	2.86	2.07	2.59	1.91	1.44
3	.66	2.93	4.17	3.13	6.23	4.39	3.34	2.79	2.06	2.47	1.91	1.40
4	.61	2.92	3.61	4.40	5.74	4.27	3.78	---	2.08	2.37	1.87	1.34
5	.58	2.93	3.31	4.42	5.32	4.18	3.79	---	2.06	2.27	1.83	1.29
6	.61	2.88	3.15	3.95	5.45	4.28	3.55	---	2.02	2.20	1.80	1.24
7	.76	2.80	3.06	3.60	5.68	5.15	3.36	---	1.99	2.11	1.79	1.19
8	.94	2.81	3.00	3.35	5.84	5.19	3.22	---	1.95	2.08	1.93	1.14
9	1.12	2.82	2.97	3.19	7.81	4.64	3.13	---	1.92	2.04	2.25	1.09
10	2.86	2.83	2.96	3.08	7.97	4.32	3.05	---	1.89	2.04	2.26	1.04
11	3.52	2.83	2.91	---	7.72	4.17	3.02	---	1.89	2.16	2.03	.99
12	3.03	2.85	2.90	---	6.97	4.10	3.02	---	1.94	2.13	2.01	.95
13	2.56	2.85	2.91	3.10	5.84	4.05	3.02	---	1.92	2.08	2.09	.91
14	2.39	2.86	2.95	3.16	5.19	3.99	2.97	2.65	1.89	2.06	2.39	.86
15	2.40	2.87	3.04	3.29	4.90	3.89	2.91	2.91	1.87	2.03	2.12	.82
16	3.00	2.91	3.09	3.79	4.86	3.82	2.85	2.84	2.90	1.99	2.17	.78
17	3.43	2.91	3.10	4.09	4.88	3.76	3.43	2.69	4.99	1.96	2.05	.75
18	3.29	2.91	3.05	3.86	4.75	3.71	3.67	2.60	5.12	1.93	2.15	.71
19	3.29	2.91	3.02	3.74	4.51	3.63	3.10	2.50	3.91	1.90	2.06	.66
20	2.98	2.92	3.00	3.73	4.30	3.55	3.95	2.43	3.15	1.87	2.07	.62
21	2.71	2.93	3.01	3.76	4.14	3.49	5.42	2.37	2.94	1.85	2.02	.57
22	2.59	2.91	3.00	4.95	4.04	3.72	5.27	2.32	3.22	1.82	1.95	.52
23	2.55	2.91	3.01	5.51	3.93	4.14	4.47	2.28	3.90	2.03	1.90	.47
24	2.53	2.91	3.01	5.27	3.82	4.00	3.93	2.26	3.51	2.14	1.85	.42
25	2.56	2.91	2.98	4.65	3.75	3.76	3.84	2.22	2.99	2.07	1.80	.39
26	2.83	2.91	2.94	4.20	4.38	3.58	4.02	2.22	2.73	2.06	1.76	.35
27	3.13	2.91	2.94	3.90	5.95	3.40	3.91	2.32	2.59	2.02	1.71	.30
28	2.97	2.93	2.91	3.67	5.94	3.29	3.57	2.31	2.57	1.97	1.66	.26
29	2.84	3.32	2.87	3.59	---	3.22	3.27	2.25	2.52	1.93	1.63	.21
30	2.76	5.32	2.86	3.82	---	3.17	3.08	2.18	2.60	1.90	1.58	.16
31	2.70	---	2.85	6.42	---	3.17	---	2.14	---	1.90	1.53	---
MAX	3.52	5.32	6.19	6.42	7.97	5.19	5.42	2.96	5.12	2.69	2.39	1.49
MIN	.58	2.73	2.85	2.84	3.75	3.17	2.85	2.14	1.87	1.82	1.53	.16

07349815 CYPRESS BAYOU LAKE NEAR BENTON, LA

LOCATION.--Lat 32°39'07", long 93°40'11", in NE1/4SW1/4 sec. 12, T.19 N., R.13 W., Webster Parish, Hydrologic Unit 11140204, attached to pier of catwalk to diversion structure about 4,500 ft (1,400 m) northwest of spillway, and 5.0 mi (8.0 km) southeast of Benton.

DRAINAGE AREA.--163 mi^2 (422 km^2).

PERIOD OF RECORD.--January 1975 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of the gage is 170.00 ft (51.816 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed by a 6,000-ft (1,860-m) earthfill dam on Cypress Bayou. The 250-ft (76.2-m) concrete spillway with crest at 9.60 ft (2.936 m), gage datum, is located at left end of dam. Capacity at spillway crest, 25,000 acre-ft (30.8 hm^3). A 6- by 6-ft (1.8- by 1.8-m) sluice gate with still at -15.5 ft (-4.724 m), gage datum, is located at diversion structure 4,500 ft (1,400 m) northwest of spillway. Water from Cypress Bayou Lake is diverted into Black Bayou Lake by way of this structure. Dam completed and storage began in 1975. Reservoir is used for flood control, conservation, and recreation. Gates closed throughout the year. No gage-height recorded below -.02 ft (-0.006 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.73 ft (3.575 m) May 5, 1979; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 9.55 ft (2.911 m) May 14; minimum, not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---			2.21	7.64	8.82	9.44	9.39	9.50	9.07	8.73
2	2.36	---			2.56	7.73	8.81	9.44	9.37	9.49	9.13	8.71
3	2.08	---			2.93	7.80	8.84	9.44	9.35	9.47	9.11	8.70
4	1.79	---			3.19	7.88	8.85	9.43	9.34	9.46	9.09	8.68
5	1.51	-.01			3.40	7.90	8.87	9.41	9.32	9.44	9.07	8.64
6	1.25				3.62	7.99	8.87	9.44	9.30	9.41	9.06	8.61
7	1.14				3.80	8.04	8.85	9.52	9.28	9.39	9.03	8.59
8	1.09				3.96	8.10	8.87	9.49	9.26	9.38	9.02	8.57
9	.81				4.52	8.20	8.88	9.50	9.23	9.44	9.09	8.55
10	.83		---		4.97	8.26	8.88	9.51	9.22	9.41	9.10	8.53
11	.55		---		5.44	8.29	8.90	9.50	9.21	9.40	9.08	8.50
12	.28		---		5.95	8.33	8.88	9.49	9.27	9.39	9.10	8.49
13	.03		---		6.18	8.39	8.89	9.49	9.25	9.37	9.12	8.47
14	---		---		6.38	8.43	8.90	9.53	9.23	9.35	9.10	8.46
15	---		---		6.52	8.47	8.89	9.53	9.21	9.32	9.09	8.45
16	---		---		6.64	8.51	8.89	9.52	9.33	9.30	9.06	8.45
17	---		---		6.75	8.53	8.97	9.52	9.34	9.32	9.05	8.43
18	---				6.85	8.56	8.94	9.51	9.37	9.30	9.04	8.41
19	---				6.92	8.56	8.98	9.49	9.43	9.28	9.00	8.39
20	---				6.98	8.58	9.05	9.48	9.46	9.26	8.98	8.39
21	---				7.04	8.61	9.14	9.48	9.45	9.24	8.96	8.38
22	---				7.07	8.71	9.20	9.46	9.53	9.23	8.94	8.33
23	---				7.11	8.72	9.25	9.45	9.52	9.22	8.92	8.30
24	---			1.01	7.14	8.74	9.28	9.47	9.52	9.20	8.89	8.28
25	---			1.19	7.18	8.77	9.34	9.47	9.53	9.17	8.87	8.28
26	---			1.33	7.26	8.79	9.38	9.48	9.52	9.17	8.85	8.25
27	---			1.39	7.36	8.77	9.40	9.47	9.50	9.17	8.82	8.23
28	---			1.46	7.49	8.79	9.41	9.46	9.49	9.15	8.81	8.20
29	.10			1.50	---	8.78	9.43	9.44	9.51	9.13	8.79	8.19
30	.11			1.56	---	8.78	9.44	9.43	9.51	9.11	8.76	8.18
31	.13	---		1.91	---	8.81	---	9.42	---	9.09	8.74	---
MAX	---	---	---	1.91	7.49	8.81	9.44	9.53	9.53	9.50	9.13	8.73
MIN	---	---	---	---	2.21	7.64	8.81	9.41	9.21	9.09	8.74	8.18

NOTE.--No gage-height record Oct. 1, 14-28, Nov. 1-4, Dec. 10-17.

07349860 RED CHUTE BAYOU AT SLIGO, LA

LOCATION.--Lat 32°26'50", long 93°35'40", SW1/4NW1/4 sec. 22, T. 17 N., R. 12 W., Bossier Parish, Hydrologic Unit 11140204, on downstream side of bridge on State Highway 612, 0.5 mi (0.8 km) west of Sligo.

DRAINAGE AREA.--980 mi^2 (2,538 km^2).

PERIOD OF RECORD.--Annual maximums, water years 1960-80. July 1980 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 120.00 ft (36.576 m). Dec. 1, 1959 to July 10, 1980, crest-stage indicator at same site. Dec. 1, 1966 to July 10, 1980 at datum 121.26 ft (36.966 m) lower and prior to Dec. 1, 1966 at National Geodectic Vertical Datum of 1929.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1982 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 35.01 ft (10.671 m), present datum, June 22, 1979; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 884 ft^3/s (25.0 m^3/s) July 9; maximum gage height, 23.14 ft (7.053 m) Feb. 26; minimum discharge, 3.0 ft^3/s (0.09 m^3/s) Sept. 19, gage height, 15.88 ft (4.840 m).

REVISIONS.--Revised figures of elevations (in feet) for the water years 1968-80, superseding those published in WRD LA-68-1 to 80-1 are given herein:

Water year	Date	Maximum elevation (ft)	Water year	Date	Maximum elevation (ft)	Water year	Date	Maximum elevation (ft)
1968	May 17, 1968	149.51	1973	Apr. 30, 1973	144.70	1977	Feb. 11, 1977	146.79
1969	Mar. 27, 1969	152.12	1974	Jan. 23, 1974	155.54	1978	May 8, 1978	146.12
1970	May 1, 1970	148.71	1975	Feb. 3, 1975	152.92	1979	June 22, 1979	156.27
1971	Oct. 28, 1970	147.49	1976	Mar. 8, 1976	148.30	1980	Jan. 22, 1980	152.04
1972	Jan. 9, 1972	148.33						

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	254	34	58	32	276	699	304	166	49	601	33	7.2
2	243	35	76	33	286	694	303	145	49	647	33	6.6
3	232	41	96	36	309	689	309	122	50	675	32	7.1
4	224	29	104	43	340	687	296	103	53	704	33	6.0
5	219	24	112	40	369	684	276	87	57	725	30	5.3
6	261	22	118	42	424	687	254	76	61	739	28	5.3
7	301	18	120	46	420	679	236	68	64	747	27	5.3
8	368	17	126	47	457	673	216	63	65	749	26	5.0
9	373	40	119	45	527	664	192	58	67	748	26	4.6
10	416	85	104	44	528	656	165	55	68	741	25	5.7
11	387	80	98	44	565	650	132	56	69	728	26	24
12	375	69	91	46	594	642	108	56	72	711	27	27
13	360	58	84	51	627	634	95	57	76	689	26	25
14	344	59	78	53	653	627	83	65	75	662	32	20
15	450	77	73	56	668	617	73	70	72	632	35	7.1
16	596	77	68	70	704	607	71	72	70	595	33	3.8
17	357	75	63	71	713	595	59	71	73	555	30	3.5
18	315	72	60	77	734	579	50	72	73	511	27	3.2
19	247	75	56	95	763	563	45	70	67	466	23	3.3
20	190	74	50	111	765	540	55	64	71	417	20	5.3
21	142	58	44	124	763	522	90	62	98	366	18	17
22	111	53	39	147	751	532	98	60	132	314	16	8.4
23	92	50	35	172	725	497	106	59	173	265	15	5.8
24	78	48	33	192	712	461	109	59	219	217	14	6.1
25	67	46	31	201	707	432	124	60	270	165	13	6.2
26	58	44	30	208	739	404	152	59	318	116	12	5.8
27	56	43	31	215	732	374	171	59	365	88	11	5.1
28	47	42	32	216	709	342	179	57	412	70	10	4.6
29	40	42	33	213	---	318	187	53	467	57	9.2	4.1
30	38	47	32	221	---	309	179	50	539	47	8.4	3.6
31	35	---	32	315	---	307	---	50	---	39	7.8	---
TOTAL	7276	1534	2126	3306	16560	17364	4717	2224	4294	14786	706.4	247.0
MEAN	235	51.1	68.6	107	591	560	157	71.7	143	477	22.8	8.23
MAX	596	85	126	315	765	699	309	166	539	749	35	27
MIN	35	17	30	32	276	307	45	50	49	39	7.8	3.2
AC-FT	14430	3040	4220	6560	32850	34440	9360	4410	8520	29330	1400	490

CAL YR 1981 TOTAL 139266.0 MEAN 382 MAX 2040 MIN 17 AC-FT 276200
WTR YR 1982 TOTAL 75140.4 MEAN 206 MAX 765 MIN 3.2 AC-FT 149000

07349860 RED CHUTE BAYOU AT SLIGO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.35	16.90	17.40	16.95	19.84	22.72	20.06	18.68	17.05	22.13	16.59	16.04
2	19.27	16.92	17.70	16.97	19.92	22.69	20.05	18.44	17.04	22.41	16.59	16.02
3	19.19	17.07	17.98	17.04	20.11	22.66	20.11	18.16	17.05	22.58	16.59	16.04
4	19.13	16.78	18.11	17.21	20.35	22.65	20.00	17.89	17.11	22.75	16.61	16.00
5	19.10	16.66	18.23	17.13	20.57	22.63	19.81	17.67	17.19	22.87	16.55	15.98
6	19.46	16.57	18.30	17.17	20.97	22.64	19.60	17.50	17.26	22.95	16.50	15.98
7	19.85	16.45	18.35	17.26	20.94	22.60	19.42	17.38	17.31	22.99	16.49	15.99
8	20.39	16.43	18.44	17.28	21.19	22.57	19.23	17.30	17.33	23.01	16.48	15.98
9	20.43	17.00	18.37	17.25	21.67	22.51	18.98	17.20	17.37	23.00	16.47	15.97
10	20.77	17.83	18.18	17.22	21.67	22.47	18.67	17.16	17.38	22.96	16.48	16.02
11	20.56	17.77	18.10	17.22	21.91	22.43	18.28	17.17	17.39	22.89	16.51	16.72
12	20.48	17.59	18.01	17.28	22.09	22.38	17.97	17.17	17.44	22.79	16.53	16.82
13	20.37	17.40	17.91	17.37	22.29	22.33	17.77	17.20	17.50	22.66	16.53	16.77
14	20.26	17.41	17.82	17.41	22.45	22.29	17.61	17.33	17.49	22.50	16.68	16.61
15	20.94	17.72	17.74	17.46	22.54	22.23	17.46	17.41	17.44	22.32	16.78	16.10
16	21.98	17.72	17.66	17.70	22.75	22.17	17.42	17.44	17.41	22.10	16.74	15.94
17	20.36	17.68	17.59	17.71	22.80	22.09	17.22	17.43	17.46	21.84	16.68	15.92
18	20.04	17.65	17.54	17.81	22.92	21.99	17.06	17.43	17.45	21.56	16.61	15.90
19	19.47	17.68	17.46	18.06	23.08	21.90	16.96	17.41	17.36	21.26	16.51	15.90
20	18.97	17.67	17.34	18.27	23.09	21.75	17.14	17.32	17.43	20.92	16.43	16.01
21	18.50	17.41	17.23	18.42	23.08	21.63	17.70	17.28	17.81	20.55	16.36	16.49
22	18.15	17.32	17.12	18.67	23.02	21.70	17.82	17.24	18.28	20.14	16.30	16.17
23	17.91	17.26	17.03	18.92	22.87	21.47	17.93	17.23	18.77	19.68	16.26	16.05
24	17.71	17.22	16.97	19.11	22.80	21.23	17.97	17.22	19.26	19.18	16.24	16.07
25	17.53	17.17	16.92	19.20	22.77	21.03	18.18	17.25	19.75	18.57	16.22	16.07
26	17.39	17.13	16.91	19.26	22.95	20.82	18.52	17.23	20.17	17.92	16.20	16.05
27	17.35	17.11	16.92	19.32	22.91	20.61	18.75	17.22	20.54	17.52	16.17	16.02
28	17.18	17.09	16.94	19.33	22.77	20.36	18.84	17.18	20.88	17.26	16.14	16.00
29	17.05	17.09	16.98	19.30	---	20.17	18.92	17.11	21.27	17.07	16.11	15.97
30	16.99	17.20	16.96	19.37	---	20.11	18.84	17.07	21.74	16.88	16.08	15.95
31	16.93	---	16.96	20.15	---	20.09	---	17.05	---	16.71	16.06	---
MAX	21.98	17.83	18.44	20.15	23.09	22.72	20.11	18.68	21.74	23.01	16.78	16.82
MIN	16.93	16.43	16.91	16.95	19.84	20.09	16.96	17.05	17.04	16.71	16.06	15.90

07350000 LOGGY BAYOU NEAR NINOCK, LA

LOCATION.--Lat 32°14'10", long 93°25'35", in SE1/4SE1/4 sec.31, T.15 N., R.10 W., Bienville-Bossier Parish line, Hydrologic Unit 11140203, near center of span on downstream side of bridge on U.S. Highway 71, 0.3 mi (0.5 km) downstream from Flat River, 1.9 mi (3.1 km) southeast of Ninock, and 7.5 mi (12.1 km) upstream from mouth.

DRAINAGE AREA.--2,628 mi^2 (6,807 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1948 to December 1960. January 1961 to September 1964 (annual maximum). January 1961 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 100.26 ft (30.559 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 29, 1949, and June 30 to Sept. 24, 1951, nonrecording gage at same site and datum. Sept. 15, 1955, to Sept. 30, 1964, auxiliary water-stage recorder 6.0 mi (9.7 km) downstream from base gage at datum 100.21 ft (30.544 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 15, 1955, auxiliary nonrecording gage at same site, and prior to Sept. 23, 1953, at datum 9.79 ft (2.984 m) higher.

REMARKS.--Some regulation by Lake Bistineau since 1935 (station 07349250) and of flood flows by Bodcau Bayou Reservoir (capacity, 967,900 acre-ft or 1.19 km^3) since July 1949.

AVERAGE DISCHARGE.--12 years (water years 1949-60), 2,290 ft^3/s (64.85 m^3/s), 1,659,000 acre-ft/yr (2.05 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,600 ft^3/s (923 m^3/s) May 4, 1958; maximum gage height, 47.83 ft (14.579 m) May 8, 1958; minimum discharge, no flow at time (backwater from Red River); minimum gage height, 9.46 ft (2.883 m) Oct. 23-25, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 31.23 ft (9.519 m) June 21; minimum, 13.30 ft (4.054 m) Oct. 1.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.34	28.06	19.84	16.02	20.47	19.72	17.77	17.71	28.63	30.71	19.57	15.68
2	---	28.12	19.61	15.74	20.59	19.73	18.23	17.34	28.40	30.60	19.49	15.59
3	---	28.21	19.43	15.69	22.30	20.56	18.48	16.85	28.51	29.99	19.12	15.58
4	---	28.53	19.39	15.76	24.82	22.04	18.52	16.37	28.84	29.19	18.93	15.49
5	---	29.08	19.72	15.76	25.85	22.53	18.76	16.17	29.16	29.20	19.89	15.45
6	---	29.57	20.93	15.66	26.48	22.59	19.13	16.17	29.28	29.62	21.08	15.40
7	---	29.26	21.35	15.72	26.76	22.42	19.53	16.21	29.41	29.85	21.10	15.19
8	14.83	28.53	21.05	15.76	26.83	21.97	20.64	15.90	29.57	29.62	20.26	14.92
9	14.86	28.27	20.36	15.56	27.00	21.69	20.60	15.53	29.41	29.04	19.40	14.78
10	15.15	28.32	19.42	15.70	26.73	21.62	20.08	15.16	29.27	28.57	18.82	14.74
11	14.95	28.19	18.55	15.75	26.13	21.60	19.55	15.05	29.46	28.35	18.56	14.74
12	14.44	27.88	18.05	15.79	25.43	21.23	18.60	15.26	29.69	28.40	18.47	14.78
13	14.09	28.03	17.79	16.19	24.82	21.03	17.81	15.40	29.77	28.53	18.38	14.82
14	13.79	28.03	17.61	16.35	24.27	20.81	17.43	15.75	29.78	28.49	18.09	14.78
15	13.60	26.95	17.34	16.36	23.59	20.06	16.66	16.65	29.81	28.22	17.72	14.63
16	16.34	25.69	17.13	16.73	23.24	19.54	16.18	24.23	29.88	27.86	17.43	14.18
17	15.81	24.82	16.97	17.19	22.80	19.33	16.23	27.71	30.18	27.29	17.37	13.92
18	17.10	24.14	16.84	17.30	22.42	19.32	16.15	28.86	30.27	26.42	17.39	13.98
19	22.53	23.52	16.51	17.30	22.17	19.82	15.86	28.90	30.40	25.13	17.24	14.22
20	25.17	22.90	16.30	17.13	21.87	20.30	16.38	27.32	30.87	23.81	16.99	14.34
21	26.92	22.27	16.17	16.76	21.72	20.96	17.58	26.23	31.18	22.86	16.86	14.24
22	27.76	21.80	16.11	16.27	22.09	21.78	18.36	26.67	30.78	22.33	16.80	14.08
23	28.00	21.56	16.18	16.01	22.36	21.29	18.94	27.50	30.23	21.98	16.62	14.11
24	27.96	21.36	16.26	15.96	22.14	20.09	18.55	28.00	30.07	21.75	16.47	14.35
25	28.02	21.13	16.60	16.18	21.43	18.77	18.07	28.15	30.16	21.54	16.48	14.62
26	28.27	20.85	16.92	16.66	20.86	17.92	17.48	28.41	30.37	21.37	16.38	14.78
27	28.23	20.56	16.84	17.45	20.67	17.65	17.02	28.73	30.57	21.12	16.04	14.72
28	28.03	20.32	16.54	19.14	20.03	17.58	16.85	28.91	30.65	20.71	15.86	14.35
29	27.93	20.03	16.30	19.98	---	17.23	17.12	29.08	30.63	20.29	15.79	13.95
30	28.01	20.00	16.26	20.14	---	17.09	17.68	29.22	30.65	19.97	15.72	13.77
31	28.05	---	16.25	20.48	---	17.33	---	29.04	---	19.74	15.70	---
MAX	28.27	29.57	21.35	20.48	27.00	22.59	20.64	29.22	31.18	30.71	21.10	15.68
MIN	13.34	20.00	16.11	15.56	20.03	17.09	15.86	15.05	28.40	19.74	15.70	13.77

07350020 LOGGY BAYOU NEAR EAST POINT, LA

LOCATION--Lat 32°11'40", long 93°26'30", in SW1/4SW1/4 sec. 18, T. 14 N., R. 10 W., Red River Parish, Hydrologic Unit 11130203, on downstream side of bridge on State Highway 515, 1.7 mi (2.7 km) above mouth and confluence with Red River, and 2.0 mi (3.2 km) north of East Point.

DRAINAGE AREA.--2,648 mi^2 (6,858 km^2).

PERIOD OF RECORD.--October 1, 1980, to current year. September 1955 to September 1964, stage records only, in files of U. S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 100.21 ft (30.544 m) National Geodectic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder for station Loggy Bayou near Ninock (station number 07350000) used as auxiliary gage for this station since October 1, 1980.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,950 ft^3/s (197 m^3/s) June 6, 1981; maximum gage height, 32.25 ft (9.830 m) June 10, 1981; minimum daily discharge, 35 ft^3/s (0.99 m^3/s) Sept. 30, 1982.

EXTREMES FOR CURRENT PERIOD.--Water Year 1981: Maximum discharge, 6,950 ft^3/s (197 m^3/s) June 6, 1981; maximum gage height 32.25 ft (9.830 m) June 10; minimum daily discharge, 200 ft^3 (5.66 m^3/s) Mar. 31.

Water year 1982: Maximum discharge 2,830 ft^3/s (80.1 m^3/s) June 29, maximum gage height 31.29 ft (9.537 m) June 21; minimum daily discharge, 35 ft^3/s (0.99 m^3/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	355	650	404	620	331	500	210	500	4550	1000	580	600
2	424	750	356	600	292	549	240	600	4500	900	441	650
3	549	886	343	550	267	471	547	695	5210	800	434	700
4	780	768	522	500	300	451	650	700	4980	700	443	680
5	943	598	515	475	350	430	600	650	5130	600	470	640
6	1810	730	500	450	400	405	550	600	6660	700	490	600
7	1550	1180	520	425	450	604	500	550	5920	800	506	550
8	1390	557	550	400	400	868	450	500	5120	1000	500	500
9	778	373	650	380	350	990	400	500	4580	1300	500	463
10	900	363	800	350	350	900	358	600	4970	1400	490	428
11	776	461	1000	340	450	650	348	600	5190	1400	470	397
12	913	500	1100	320	400	500	424	700	5140	1300	460	409
13	737	450	1270	289	350	400	346	800	5250	1200	450	405
14	849	400	1190	280	330	400	320	800	5110	1100	450	425
15	788	350	1350	270	330	450	300	900	5010	1000	440	430
16	394	400	2750	260	390	500	320	1000	4940	950	440	421
17	644	600	3030	260	443	550	350	1100	4410	900	430	421
18	826	800	3140	280	547	500	336	1200	4000	880	420	418
19	406	1110	2980	270	449	500	350	1300	3800	860	410	415
20	380	1160	2470	250	554	450	336	1680	3700	840	405	424
21	400	930	950	240	546	400	321	1820	3500	820	450	406
22	450	499	653	230	677	400	300	2340	3000	800	500	380
23	474	450	720	262	523	350	324	2970	2500	750	550	382
24	1160	500	667	304	416	300	350	3840	2200	700	600	363
25	1530	470	822	320	438	300	384	4840	2000	650	600	377
26	1550	450	964	350	456	250	380	5070	1800	600	580	371
27	1160	430	1000	360	458	250	374	5350	1600	618	540	366
28	682	410	1000	370	450	240	434	5530	1400	473	500	326
29	565	410	900	360	---	220	400	5410	1200	504	400	360
30	560	405	800	350	---	210	450	5040	1000	456	500	341
31	580	---	700	340	---	200	---	4860	---	624	550	---
TOTAL	25303	18040	34616	11055	11697	14188	11652	63045	118370	26625	14999	13648
MEAN	816	601	1117	357	418	458	388	2034	3946	859	484	455
MAX	1810	1180	3140	620	677	990	650	5530	6660	1400	600	700
MIN	355	350	343	230	267	200	210	500	1000	456	400	326
AC-FT	50190	35780	68660	21930	23200	28140	23110	125000	234800	52810	29750	27070

WTR YR 1981 TOTAL 363238 MEAN 995 MAX 6660 MIN 200 AC-FT 720500

07350020 LOGGY BAYOU NEAR EAST POINT, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	297	80	380	269	1750	1890	784	1050	567	2460	190	212
2	350	75	379	285	1500	1660	787	963	598	2440	200	150
3	300	75	372	326	1400	1500	879	851	575	2420	230	140
4	300	80	322	385	1300	1640	884	715	555	2040	306	130
5	350	150	232	385	1170	1860	871	597	471	1530	275	120
6	450	280	290	347	1840	2000	851	582	569	1320	380	110
7	700	602	419	379	1820	2070	478	711	534	1450	431	100
8	680	541	467	380	2040	1880	461	677	552	1550	387	90
9	587	562	505	278	2790	1780	719	567	573	1480	536	80
10	709	579	504	260	2940	1690	680	503	550	1270	419	75
11	671	625	359	311	2880	1720	681	474	600	1280	340	70
12	567	557	355	251	2970	1720	707	485	650	1030	273	75
13	535	544	354	364	2820	1630	551	486	700	860	328	80
14	494	607	362	454	2900	1690	602	553	750	860	377	85
15	466	696	340	414	2930	1590	566	768	800	870	314	80
16	1780	625	369	427	3170	1480	469	1450	850	960	189	70
17	1390	551	309	500	3130	1460	446	1200	900	900	292	75
18	400	550	311	451	3000	1360	451	1000	950	900	242	80
19	200	516	285	468	2860	1210	469	800	1000	850	244	85
20	150	431	272	530	2750	1190	845	700	1100	800	241	80
21	100	431	328	608	2520	1300	1520	608	1200	700	248	70
22	90	433	294	631	2380	2130	1240	568	1280	600	240	60
23	80	422	246	640	2340	2010	1170	602	1250	500	240	65
24	80	395	248	670	2400	1680	1140	593	1200	450	231	50
25	75	445	256	657	2440	1440	1230	639	1150	400	261	55
26	75	465	288	658	2250	1250	1220	495	1500	350	231	60
27	70	353	300	580	2360	1010	1210	559	1820	300	212	55
28	70	356	261	520	2110	969	1140	584	2080	250	203	50
29	80	367	237	638	---	875	1120	517	2590	200	203	45
30	80	382	236	823	---	774	1130	554	2540	200	226	35
31	75	---	270	1780	---	786	---	572	---	190	221	---
TOTAL	12251	12775	10150	15669	66760	47244	25301	21423	30454	31410	8710	2532
MEAN	395	426	327	505	2384	1524	843	691	1015	1013	281	84.4
MAX	1780	696	505	1780	3170	2130	1520	1450	2590	2460	536	212
MIN	70	75	232	251	1170	774	446	474	471	190	189	35
AC-FT	24300	25340	20130	31080	132400	93710	50180	42490	60410	62300	17280	5020

CAL YR 1981 TOTAL 320455 MEAN 878 MAX 6660 MIN 70 AC-FT 635600
WTR YR 1982 TOTAL 284679 MEAN 780 MAX 3170 MIN 35 AC-FT 564700

07350020 LOGGY BAYOU NEAR EAST POINT, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.57	15.90	14.27	14.50	12.05	15.19	14.20	15.20	23.15	22.80	15.72	15.21
2	13.35	16.05	14.15	14.30	12.08	15.20	14.94	15.38	23.49	22.37	15.50	15.46
3	17.45	16.70	13.95	13.70	12.19	15.25	15.59	15.35	23.90	21.60	15.40	15.76
4	20.45	17.65	13.75	13.00	12.40	15.31	15.61	15.29	24.37	21.29	15.21	16.35
5	21.35	17.55	13.66	12.72	13.50	15.40	15.70	14.75	25.30	20.34	15.25	16.45
6	20.70	16.85	13.65	12.70	14.38	15.38	15.69	14.36	27.38	21.25	15.36	16.63
7	19.88	15.84	13.69	12.70	14.37	17.25	15.40	14.30	29.39	21.80	15.39	16.48
8	19.05	15.41	13.90	12.64	14.30	19.80	15.10	14.58	30.86	22.93	15.25	16.21
9	18.42	14.44	14.25	12.51	13.31	21.22	14.65	15.31	31.89	23.55	14.84	16.28
10	17.63	13.60	14.84	12.47	13.45	21.29	14.20	16.48	32.21	23.09	14.60	16.28
11	17.04	12.93	15.56	12.42	14.21	21.52	14.03	16.07	32.08	23.05	14.38	15.77
12	16.45	13.12	16.10	12.32	14.55	21.10	14.03	16.62	31.35	23.37	14.33	15.07
13	16.07	12.68	16.52	12.25	13.29	20.61	14.00	16.59	30.66	23.15	14.56	14.61
14	15.52	12.50	19.60	12.22	13.60	20.29	13.72	17.96	30.34	22.70	14.75	14.34
15	15.10	12.40	20.71	12.16	14.78	19.70	13.40	19.80	30.11	22.30	14.63	14.12
16	14.85	12.80	19.98	12.15	14.73	18.98	13.23	20.99	29.89	22.00	14.40	13.98
17	14.40	13.20	19.07	12.19	15.54	18.32	13.11	21.68	29.80	21.70	14.10	14.00
18	13.85	13.60	18.30	12.25	16.20	17.85	13.10	22.47	29.70	20.99	13.73	13.97
19	13.75	13.99	17.85	---	16.62	17.10	13.12	22.99	29.63	20.22	13.37	13.88
20	13.68	14.40	17.50	---	16.65	16.24	13.12	23.35	29.68	19.60	13.27	13.78
21	13.70	14.81	17.85	---	16.52	15.59	13.13	23.28	29.37	19.02	13.46	13.77
22	13.75	15.03	17.37	12.08	16.30	15.30	13.14	22.99	29.20	18.25	13.72	13.89
23	13.84	15.03	17.00	12.09	16.25	15.25	13.20	22.71	27.95	17.79	13.81	13.94
24	13.93	15.09	16.70	12.10	16.08	15.12	13.38	22.32	27.20	17.41	13.96	13.93
25	14.12	14.98	16.31	12.16	15.91	15.10	13.15	21.19	26.56	17.28	13.84	13.87
26	14.75	14.85	15.90	12.28	15.70	15.08	13.09	21.25	26.19	17.27	13.54	13.77
27	15.38	14.80	15.50	12.10	15.40	14.96	12.97	21.59	25.78	17.10	13.54	13.65
28	15.90	14.68	15.52	12.25	15.15	14.70	13.50	22.00	25.02	16.95	13.39	13.51
29	15.80	14.51	15.38	12.25	---	14.62	14.65	22.40	24.03	16.86	13.44	13.31
30	15.80	14.34	15.30	12.10	---	14.51	15.09	22.80	23.36	16.70	13.91	13.21
31	15.82	---	15.10	12.07	---	14.33	---	22.80	---	16.00	14.62	---
MAX	21.35	17.65	20.71	14.50	16.65	21.52	15.70	23.35	32.21	23.55	15.72	16.63
MIN	12.57	12.40	13.65	12.07	12.05	14.33	12.97	14.30	23.15	16.00	13.27	13.21

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.31	28.20	19.83	16.01	20.15	19.25	17.66	17.43	28.63	30.58	---	15.68
2	13.42	28.26	19.61	15.72	20.36	19.42	18.13	17.13	28.40	30.47	---	15.61
3	13.37	28.36	19.42	15.66	22.35	20.33	18.37	16.67	28.51	29.85	---	15.59
4	13.38	28.72	19.39	15.72	24.81	21.85	18.41	16.23	28.85	29.09	18.93	15.50
5	13.52	29.27	19.74	15.72	25.79	22.30	18.65	16.07	29.17	29.15	19.40	15.47
6	13.67	29.65	20.94	15.62	26.36	22.34	19.04	16.00	29.24	29.54	21.08	15.42
7	14.23	29.26	21.35	15.68	26.64	22.14	19.51	16.05	29.42	29.41	21.10	15.20
8	14.65	28.53	21.04	15.72	26.69	21.71	20.62	15.75	29.57	29.57	20.25	14.94
9	14.70	28.27	20.34	15.54	26.74	21.45	20.55	15.41	29.42	28.94	19.37	14.83
10	14.93	28.32	19.39	15.60	26.43	21.40	20.03	15.06	29.29	28.54	18.81	14.70
11	14.74	28.18	18.39	15.73	25.83	21.37	19.50	14.95	29.48	28.32	18.55	14.76
12	14.27	27.88	18.04	15.78	25.07	20.38	18.53	15.13	29.71	28.39	18.47	14.80
13	13.92	28.03	17.78	16.16	24.46	20.79	17.76	15.32	29.74	28.53	18.34	14.84
14	13.63	28.03	17.59	16.30	23.65	20.54	17.38	15.56	29.79	28.49	18.08	14.80
15	13.45	26.94	17.32	16.32	23.12	19.77	16.59	16.49	29.82	28.22	17.71	14.64
16	15.10	25.69	17.11	16.70	22.65	19.24	16.12	24.10	29.91	27.85	17.44	14.21
17	14.97	24.82	16.96	17.14	22.16	19.32	16.18	27.74	30.21	27.33	17.37	13.95
18	17.03	24.13	16.82	17.26	21.78	19.06	16.10	28.96	30.28	---	17.40	14.01
19	22.62	23.52	16.50	17.27	21.57	19.64	15.80	28.43	30.44	---	17.24	14.25
20	25.29	22.90	16.29	17.08	21.27	20.16	15.16	27.29	30.91	---	16.99	14.37
21	27.06	22.27	16.15	16.58	21.20	20.82	17.04	25.22	31.19	---	16.80	14.27
22	27.90	21.80	16.10	15.16	21.67	21.43	18.04	26.67	30.73	---	16.80	14.11
23	28.14	21.55	16.18	15.60	21.44	20.94	18.74	27.49	30.18	---	16.62	14.14
24	28.09	21.36	16.25	15.82	21.72	19.76	18.33	28.00	30.04	---	16.47	14.38
25	28.18	21.12	16.60	15.05	20.92	18.44	17.76	28.15	30.12	---	16.46	14.65
26	28.42	20.84	16.91	15.55	20.35	17.91	17.14	28.42	30.30	---	16.38	14.81
27	28.37	20.57	16.83	17.41	20.08	17.44	16.63	28.73	30.47	---	16.05	14.74
28	28.14	20.32	16.53	19.14	19.44	17.39	16.55	28.92	30.53	---	15.87	14.36
29	28.07	20.03	16.30	19.44	---	17.15	15.80	29.09	30.47	---	15.80	13.97
30	28.16	20.00	16.26	20.06	---	16.95	17.41	29.23	30.51	---	15.72	13.81
31	28.19	---	16.24	20.15	---	17.20	---	29.04	---	---	15.69	---
MAX	28.42	29.65	21.35	20.15	26.74	22.34	20.62	29.23	31.19	30.58	21.10	15.68
MIN	13.31	20.00	16.10	15.54	19.44	16.95	15.80	14.96	28.40	---	15.69	13.81

07350020 LOGGY BAYOU NEAR EAST POINT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1979, 1982.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: October 1981 to September 1982.
SUSPENDED-SEDIMENT DISCHARGE: October 1981 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 547 mg/L Oct. 20, 1981; minimum daily mean, 65 mg/L Nov. 8, 1981.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1610 tons (1460 tonnes) Feb. 17, 1982; minimum daily 17 tons (15 tonnes) Nov. 2, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 20...	1430	416	7.0	22.0	70	40	5.9	18	1.4	K350
NOV 18...	1445	251	7.4	17.5	30	5.0	6.1	150	2.9	K32
DEC 09...	1045	365	7.1	13.0	10	10	8.3	32	1.3	K10
JAN 05...	1330	364	6.7	11.5	10	5.0	12.2	43	4.5	100
FEB 09...	1140	175	6.7	6.5	50	30	9.3	<10	1.1	400
MAR 23...	1700	225	6.7	18.5	50	30	8.2	49	1.0	1600
APR 13...	1800	292	6.9	17.5	20	10	7.4	--	1.4	K20
MAY 18...	1200	526	7.5	27.0	15	65	7.5	29	2.6	K120
JUN 08...	1200	319	6.3	28.5	20	4.0	7.4	24	2.6	K15
JUL 07...	1230	253	6.4	29.5	60	8.0	4.2	28	3.0	K15
AUG 03...	1815	310	7.8	36.0	30	5.0	10.0	47	7.0	--
SEP 09...	1045	528	7.1	28.5	20	5.0	5.7	23	3.5	K12

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 20...	2000	96	27	6.9	39	4.0	72	35	53
NOV 18...	K90	78	19	7.3	21	2.9	66	14	26
DEC 09...	--	110	27	10	28	2.3	95	20	43
JAN 05...	520	100	24	9.8	29	1.9	76	19	46
FEB 09...	2600	35	8.6	3.4	16	2.3	22	10	29
MAR 23...	K9000	50	12	4.8	23	2.4	29	12	40
APR 13...	500	62	15	5.9	26	2.0	30	13	56
MAY 18...	K34000	130	40	8.4	41	3.1	92	46	66
JUN 08...	K80	67	17	6.0	34	2.6	41	13	55
JUL 07...	480	48	12	4.2	26	2.1	27	7	48
AUG 03...	130	75	19	6.6	32	2.1	57	7	51
SEP 09...	K80	170	40	16	47	2.3	139	22	72

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07350020 LOGGY BAYOU NEAR EAST POINT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 20...	.1	6.7	217	215	34	.30	.45	.26	7.1
NOV 18...	.1	11	149	141	62	.05	<.10	.09	8.9
DEC 09...	.1	10	220	197	10	.12	.49	.05	7.9
JAN 05...	<.1	12	201	188	29	.07	.29	.07	7.1
FEB 09...	<.1	8.9	111	91	32	.13	.64	.10	--
MAR 23...	<.1	5.5	139	117	--	.41	.66	.13	8.0
APR 13...	<.1	4.5	167	140	22	<.10	.36	.07	7.0
MAY 18...	.5	3.3	303	264	64	.32	.80	.10	5.1
JUN 08...	.1	5.3	186	158	7	<.10	1.7	.06	6.6
JUL 07...	<.1	7.6	160	123	14	<.10	.80	.08	8.5
AUG 03...	.1	11	188	163	15	<.10	1.4	.09	9.8
SEP 09...	.3	15	303	298	19	<.10	1.0	.07	6.7

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)
OCT 20...	--	<1	--	500	--	<1	--	3	--	8	--	5500
JAN 05...	1	--	99	--	2	--	<10	--	3	--	31	--
APR 13...	1	--	100	--	<1	--	10	--	3	--	170	--
JUL 07...	1	--	71	--	<1	--	<10	--	8	--	120	--

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	STRONTIUM, DISSOLVED (UG/L AS SR)	STRONTIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
OCT 20...	--	20	--	310	--	<.01	--	0	--	38	--	27
JAN 05...	<1	--	310	--	.1	--	<1	--	230	--	7	--
APR 13...	3	--	200	--	<.1	--	<1	--	260	--	9	--
JUL 07...	4	--	100	--	.1	--	<1	--	240	--	14	--

< Actual value is known to be less than the value shown.

07350020 LOGGY BAYOU NEAR EAST POINT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT 20...	<.1	7	<.1	<1	<.001	<.1	<.1	<1	<.001	<.1	<.001
APR 13...	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--	<.001

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 20...	4.7	<.001	7.9	.05	<.1	<.001	<.1	<.001	<.1	<.001	<.1
APR 13...	--	<.001	--	.04	--	<.001	--	<.001	--	<.001	--

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 20...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	.02	<.1
APR 13...	<.01	--	<.001	--	<.001	--	<.001	--	.01	--

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
APR 13...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 20...	<.01	<.1	<.1	<1	<.01	<.1	.06	<.01	.02	<.01
APR 13...	<.1	--	<1	--	<.01	--	.01	<.01	<.01	<.01

< Actual value is known to be less than the value shown.

07350020 LOGGY BAYOU NEAR EAST POINT, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	99	79	98	21	169	173	162	118	185	874	177	903
2	150	142	86	17	144	147	172	132	158	640	115	515
3	140	113	119	24	109	109	172	151	137	518	109	441
4	152	123	160	35	79	69	154	160	112	393	100	443
5	132	125	140	57	140	88	132	137	86	272	103	517
6	147	179	95	72	140	110	110	103	86	427	---	---
7	184	348	70	114	126	143	136	139	108	531	---	---
8	98	180	65	95	139	175	129	132	100	551	---	---
9	90	143	80	121	140	191	136	102	98	738	---	---
10	104	199	88	138	130	177	134	94	122	968	---	---
11	150	272	76	128	142	138	128	107	126	980	---	---
12	91	139	77	116	152	146	120	81	140	1120	---	---
13	170	246	78	115	154	147	108	106	151	1150	---	---
14	79	105	88	144	162	158	98	120	126	987	---	---
15	68	86	100	188	154	141	137	153	148	1170	---	---
16	82	394	78	132	169	168	130	150	162	1390	---	---
17	88	330	84	125	160	133	131	177	190	1610	---	---
18	282	305	75	111	169	142	138	168	155	1260	---	---
19	477	258	80	111	150	115	127	160	176	1360	---	---
20	547	222	80	93	180	132	130	186	143	1060	---	---
21	387	104	82	95	192	170	132	217	105	714	---	---
22	317	77	106	124	198	157	123	210	133	855	---	---
23	262	57	128	146	119	79	126	218	123	777	---	---
24	259	56	110	117	143	96	132	239	130	842	116	526
25	270	55	108	130	167	115	193	342	117	771	119	463
26	274	55	115	144	162	126	324	576	110	668	150	506
27	194	37	129	123	140	113	162	254	105	669	108	295
28	132	25	194	186	131	92	105	147	124	706	90	235
29	115	25	190	188	150	96	96	165	---	---	109	258
30	95	21	175	180	147	94	105	233	---	---	112	234
31	105	21	---	---	161	117	168	807	---	---	127	270

DAY	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	120	254	120	340	230	352	130	863	160	82	205	117
2	152	323	---	---	190	307	124	817	180	97	167	68
3	97	230	---	---	212	329	100	653	167	104	179	68
4	109	260	---	---	E 220	330	118	650	158	131	177	62
5	90	212	---	---	E 220	280	120	496	186	138	167	54
6	114	262	---	---	200	307	136	485	240	246	172	51
7	123	159	142	273	130	187	E 112	438	190	221	178	48
8	129	161	190	347	205	306	E 122	511	180	188	167	41
9	130	252	219	335	240	371	E 170	679	136	197	177	38
10	104	191	160	217	223	331	168	576	129	146	187	38
11	117	215	E 170	218	202	327	105	363	148	136	150	28
12	141	269	214	280	213	374	140	389	131	97	162	33
13	137	204	217	285	E 215	406	83	193	130	115	140	30
14	162	263	180	269	175	354	E 105	244	144	147	152	35
15	140	214	228	473	180	389	E 110	258	130	110	181	39
16	156	198	170	666	202	464	E 115	298	128	65	158	30
17	130	157	157	509	210	510	E 125	304	154	121	173	35
18	126	153	204	551	220	564	127	309	142	93	160	35
19	160	203	319	689	196	529	122	280	162	107	170	39
20	240	548	237	448	122	362	E 110	238	180	117	158	34
21	210	862	362	594	210	680	E 130	246	154	103	160	30
22	170	569	450	690	200	691	134	217	154	100	147	24
23	160	505	240	390	150	506	172	232	188	122	164	29
24	134	412	312	500	130	421	147	179	208	130	164	22
25	130	432	297	512	115	357	147	159	200	141	152	23
26	138	455	274	366	122	494	130	123	170	106	160	26
27	130	425	253	382	135	663	148	120	192	110	158	23
28	122	376	289	456	124	696	144	97	193	106	204	28
29	102	308	205	286	110	769	178	96	182	100	228	28
30	111	339	227	340	134	919	172	93	170	104	188	18
31	---	---	260	402	---	---	156	80	174	104	---	---

E Estimated.

07351000 BOGGY BAYOU NEAR KEITHVILLE, LA

LOCATION.--32°22'35", long 93°49'17", in NW1/4SE1/4 sec.17, T.16 N., R.14 W., Caddo Parish, Hydrologic Unit 11140206, near right bank on downstream side of bridge on U.S. Highway 171, 0.4 mi (0.6 km) downstream from Gilmer Bayou, 3.2 mi (5.1 km) north of Keithville, and 5.9 mi (9.5 km) upstream from mouth.

DRAINAGE AREA.--79 mi^2 (205 km^2), approximately.

PERIOD OF RECORD.--December 1938 to September 1982 (discontinued).

REVISED RECORDS.--WSP 1211: 1939-45, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 145.13 ft (44.236 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 7, 1949, and Jan. 19 to Apr. 7, 1954, nonrecording gage at same site and datum.

REMARKS.--Records poor. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--43 years, 69.0 ft^3/s (1.954 m^3/s), 11.86 in/yr (301 mm/yr), 49,990 acre-ft/yr (61.6 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,800 ft^3/s (419 m^3/s) Jan. 5, 1946, gage height, 20.2 ft (6.16 m), from graph based on gage readings, from rating curve extended above 7,300 ft^3/s (207 m^3/s); no flow at times in 1939-40, 1942-44, 1947-49, 1951-60, 1962-67, 1970-74.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of July 1933 reached a stage of 26.7 ft (8.14 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 273 ft^3/s (7.73 m^3/s) Mar. 23, gage height, 15.13 ft (4.612 m), no peak above base of 1,000 ft^3/s (28 m^3/s); minimum, 0.30 ft^3/s (0.008 m^3/s) Sept. 19, gage height 9.97 ft (3.039 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	4.2	3.0	2.7	102	34	12	15	9.5	3.9	2.6	3.1
2	3.1	4.8	2.5	2.7	18	25	12	13	11	3.4	2.3	2.5
3	3.0	4.2	2.1	3.4	16	21	15	12	10	3.1	2.5	2.4
4	2.9	4.1	2.0	3.8	15	19	19	10	9.1	2.9	2.0	2.2
5	2.9	4.0	2.0	3.6	11	18	14	11	8.7	2.8	1.9	2.0
6	3.1	4.8	2.1	3.2	44	24	10	12	8.0	2.8	1.7	1.7
7	4.5	5.2	2.5	2.8	34	47	8.7	23	8.0	2.6	1.9	1.6
8	7.9	5.0	2.7	2.4	32	33	7.8	17	7.4	2.5	2.0	1.5
9	19	5.9	2.9	2.0	175	22	7.4	11	6.6	2.4	21	1.3
10	51	5.6	3.2	2.0	134	18	8.0	9.1	6.2	2.5	8.5	1.1
11	5.3	4.6	3.7	1.8	52	16	8.9	9.1	5.9	2.3	2.2	1.0
12	3.4	4.2	3.8	2.2	32	15	9.1	9.6	5.8	2.1	2.0	.90
13	2.9	4.5	4.3	10	27	15	8.6	19	5.6	2.3	1.7	.80
14	2.9	4.2	5.2	16	24	14	8.1	127	5.7	3.3	1.5	.95
15	4.2	4.3	5.4	13	22	13	8.2	77	5.8	12	1.5	.85
16	4.6	4.7	5.3	9.0	21	12	8.2	20	5.9	2.1	1.4	.75
17	4.7	4.6	5.2	8.2	21	12	8.6	11	5.6	1.9	17	.60
18	11	4.5	5.0	7.6	20	11	8.4	9.0	5.8	1.9	27	.50
19	3.8	4.0	4.7	7.0	18	10	11	8.0	6.2	2.0	2.1	.35
20	2.2	3.7	4.3	9.0	18	9.5	89	7.3	6.4	2.0	1.6	2.5
21	2.0	3.6	4.2	11	17	17	191	7.4	13	2.1	1.5	2.0
22	2.2	3.5	4.0	10	17	183	151	7.6	25	3.0	1.5	1.5
23	2.4	3.5	3.7	9.0	16	234	59	8.7	13	2.5	1.6	1.5
24	3.2	3.2	3.6	10	16	129	32	11	4.6	2.5	1.8	1.4
25	3.6	3.2	3.1	13	16	44	39	13	4.7	2.6	1.9	1.5
26	3.8	3.1	3.0	14	68	25	43	17	3.6	2.7	1.9	1.4
27	3.5	3.0	3.0	12	159	18	34	20	4.1	2.5	2.0	1.3
28	3.1	2.8	3.0	11	94	16	24	16	5.9	17	2.1	1.1
29	3.0	2.6	2.9	9.8	---	15	19	12	11	61	2.2	.90
30	2.9	3.3	2.8	13	---	13	16	11	6.1	3.0	2.5	.75
31	3.1	---	2.7	139	---	12	---	9.8	---	2.5	2.7	---
TOTAL	178.4	122.9	107.9	364.2	1239	1094.5	890.0	563.6	234.2	162.2	126.1	41.95
MEAN	5.75	4.10	3.48	11.7	44.3	35.3	29.7	18.2	7.81	5.23	4.07	1.40
MAX	51	5.9	5.4	139	175	234	191	127	25	61	27	3.1
MIN	2.0	2.6	2.0	1.8	11	9.5	7.4	7.3	3.6	1.9	1.4	.35
CFSM	.07	.05	.04	.15	.56	.45	.38	.23	.10	.07	.05	.02
IN.	.08	.06	.05	.17	.58	.52	.42	.27	.11	.08	.06	.02
AC-FT	354	244	214	722	2460	2170	1770	1120	465	322	250	83

CAL YR 1981 TOTAL 15507.20 MEAN 42.5 MAX 4000 MIN .65 CFSM .54 IN 7.30 AC-FT 30760
WTR YR 1982 TOTAL 5124.95 MEAN 14.0 MAX 234 MIN .35 CFSM .18 IN 2.41 AC-FT 10170

RED RIVER BASIN

07351000 BOGGY BAYOU NEAR KEITHVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.34	11.64	12.09	11.59	12.76	11.47	10.90	10.69	10.59	10.53	10.42	10.43
2	11.33	11.67	11.99	11.51	11.69	11.30	10.90	10.64	10.65	10.50	10.38	10.35
3	11.34	11.56	11.91	11.71	11.64	11.22	10.99	10.60	10.65	10.48	10.39	10.33
4	11.35	11.54	11.86	11.76	11.62	11.17	11.10	10.56	10.61	10.48	10.34	10.30
5	11.36	11.53	11.84	11.77	11.50	11.13	10.94	10.56	10.61	10.48	10.32	10.27
6	11.40	11.63	11.84	11.74	12.11	11.28	10.82	10.61	10.58	10.49	10.30	10.24
7	11.53	11.69	11.87	11.69	11.98	11.67	10.77	10.89	10.59	10.49	10.32	10.22
8	11.73	11.71	11.65	11.64	11.85	11.46	10.73	10.75	10.58	10.49	10.33	10.20
9	11.75	11.61	11.84	11.59	13.93	11.24	10.70	10.59	10.55	10.50	11.05	10.17
10	12.21	11.63	11.65	11.58	12.94	11.14	10.73	10.51	10.54	10.53	10.78	10.13
11	11.31	11.76	11.69	---	11.72	11.09	10.77	10.50	10.53	10.53	10.34	10.11
12	11.12	11.77	11.89	---	11.45	11.06	10.76	10.52	10.53	10.52	10.32	10.09
13	11.07	11.83	11.91	---	11.35	11.04	10.76	10.73	10.53	10.54	10.27	10.07
14	11.09	11.83	11.98	---	11.28	11.02	10.74	12.36	10.55	10.65	10.25	10.09
15	11.20	11.87	11.96	---	11.23	10.98	10.74	11.66	10.57	11.09	10.24	10.08
16	11.27	11.95	11.95	---	11.22	10.96	10.74	10.83	10.59	10.50	10.22	10.06
17	11.27	11.97	11.94	---	11.22	10.96	10.76	10.59	10.58	10.42	10.55	10.03
18	11.22	11.99	11.94	---	11.19	10.93	10.75	10.50	10.60	10.38	11.00	10.01
19	11.19	11.97	11.94	---	11.15	10.90	10.84	10.45	10.64	10.37	10.29	9.98
20	11.03	11.97	11.92	---	11.15	10.87	12.20	10.42	10.67	10.37	10.23	10.35
21	11.05	11.99	11.93	---	11.13	11.06	14.26	10.42	10.90	10.38	10.21	10.29
22	11.12	12.00	11.93	---	11.11	13.86	13.15	10.43	11.27	10.49	10.21	10.23
23	11.16	12.03	11.92	---	11.09	14.76	11.44	10.49	10.93	10.43	10.22	10.24
24	11.33	12.03	11.93	---	11.07	12.79	11.10	10.56	10.56	10.44	10.26	10.24
25	11.40	12.05	11.92	---	11.08	11.55	11.21	10.65	10.55	10.45	10.27	10.26
26	11.46	12.07	11.88	---	11.87	11.24	11.26	10.77	10.46	10.46	10.28	10.26
27	11.48	12.06	11.87	11.52	13.58	11.07	11.13	10.86	10.51	10.43	10.29	10.25
28	11.40	12.07	11.55	11.49	12.23	11.01	10.92	10.75	10.62	10.76	10.30	10.23
29	11.46	12.07	11.73	11.44	---	10.98	10.81	10.66	10.90	11.60	10.32	10.20
30	11.50	12.15	11.54	11.50	---	10.93	10.74	10.61	10.68	10.47	10.35	10.18
31	11.55	---	11.55	13.29	---	10.90	---	10.59	---	10.41	10.36	---
MAX	12.21	12.15	12.09	13.29	13.93	14.76	14.26	12.36	11.27	11.60	11.05	10.43
MIN	11.03	11.53	11.54	---	11.07	10.87	10.70	10.42	10.46	10.37	10.21	9.98

07351571 BAYOU PIERRE BELOW CASPIANA, LA

LOCATION.--Lat 32°11'31", long 93°33'16", in SE1/4NW1/4 sec. 24, T.14 N., R.12 W., De Soto-Red River Parish line, Hydrologic Unit 11140206, near left bank on downstream side of La Coupe bridge on Parish Road 11, 1.2 mi (1.9 km) upstream from Prairie River, and 6.8 mi (10.9 km) south of Caspiana.

DRAINAGE AREA.--340 mi^2 (880 km^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1979 to December 1982 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 130 ft (39.6 m) from topographic map. Water-stage recorder for Bayou Pierre near Grand Bayou (station 07351600) used as auxiliary gage for this station.

REMARKS.--Records fair, except those for periods of no gage-height record, which are poor. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in the report.

EXTREMES FOR PERIOD OF RECORD.-- Maximum discharge, 3,140 ft^3/s (88.9 m^3/s) Apr. 14, 15, 1980; maximum gage height, 19.63 ft (5.983 m) Dec. 29, 1982, from floodmark; minimum discharge, 6.7 ft^3/s (0.19 m^3/s) Oct. 1, 1982; minimum gage height, 1.50 ft (0.457 m) Sept. 14, 15, 17, 21, 22, Oct. 1, 1982.

EXTREMES FOR CURRENT PERIOD.--Water year 1982: Maximum discharge 930 ft^3/s (26.3 m^3/s) Oct. 16; maximum gage height, 8.54 ft (2.603 m) Apr. 21; minimum discharge, 7.1 ft^3/s (0.20 m^3/s) Sept. 30; minimum gage height, 1.50 ft (0.457 m) Sept. 14, 15, 17, 21, 22.

October to December 1982: Maximum discharge during period, 2,430 ft^3/s (68.8 m^3/s) Dec. 16; maximum gage height, 19.63 ft, Dec. 29, from floodmark; minimum discharge, 6.7 ft^3/s (0.19 m^3/s) Oct. 1, gage height, 1.50 ft (0.457 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	41	82	18	475	194	148	160	15	28	59	12
2	8.9	46	70	21	290	187	126	130	14	26	48	12
3	8.8	48	48	41	244	167	120	110	14	23	61	12
4	8.7	41	40	66	234	147	107	90	14	21	64	13
5	8.7	35	33	84	212	122	107	74	13	20	42	12
6	8.8	32	29	70	264	130	99	60	13	18	30	12
7	14	29	28	45	292	176	77	58	13	16	25	11
8	109	26	27	37	251	150	68	56	13	14	22	11
9	166	25	25	33	431	130	62	45	13	16	21	11
10	196	28	24	27	406	117	52	36	13	30	24	11
11	242	26	22	24	303	102	49	27	13	24	40	11
12	174	23	21	26	279	87	49	24	14	29	39	11
13	117	23	21	50	254	76	44	30	15	88	29	11
14	86	22	27	78	223	62	39	80	15	85	24	10
15	68	21	40	110	197	55	36	130	14	41	21	10
16	583	21	40	150	295	47	34	135	14	24	19	10
17	843	20	32	140	195	42	34	110	14	22	18	10
18	573	21	31	110	147	37	31	93	17	20	19	9.4
19	435	20	30	96	118	32	37	71	16	19	23	9.3
20	336	20	26	80	95	29	126	54	15	19	27	9.0
21	262	19	25	130	79	34	522	41	15	19	25	8.9
22	224	18	28	220	62	303	537	32	15	21	22	9.3
23	190	18	25	200	49	445	544	27	22	19	20	9.7
24	155	18	24	190	41	353	500	26	26	18	18	10
25	128	18	22	150	34	354	410	27	19	17	17	10
26	113	18	21	100	54	335	350	24	14	17	16	9.4
27	94	19	19	83	219	295	280	24	13	18	15	8.6
28	78	19	19	71	221	262	230	24	14	25	14	8.2
29	62	19	18	59	---	233	220	20	16	33	14	7.7
30	50	26	18	72	---	202	200	18	25	59	14	7.2
31	42	---	17	378	---	177	---	17	---	72	13	---
TOTAL	5393.1	760	932	2959	5964	5082	5238	1853	461	901	843	306.7
MEAN	174	25.3	30.1	95.5	213	164	175	59.8	15.4	29.1	27.2	10.2
MAX	843	48	82	378	475	445	544	160	26	88	64	13
MIN	8.7	18	17	18	34	29	31	17	13	14	13	7.2
AC-FT	10700	1510	1850	5870	11830	10080	10390	3680	914	1790	1670	608

CAL YR 1981 TOTAL 64291.1 MEAN 176 MAX 2880 MIN 8.7 AC-FT 127500
WTR YR 1982 TOTAL 30692.8 MEAN 84.1 MAX 843 MIN 7.2 AC-FT 60880

NOTE.--No gage-height record, Dec. 23, 1981 to Jan. 26, 1982.

07351571 BAYOU PIERRE BELOW CASPIANA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.61	2.26	2.64	---	5.86	4.14	3.59	---	1.88	2.03	2.35	1.55
2	1.60	2.35	2.52	---	4.83	4.08	3.35	---	1.83	---	2.24	1.54
3	1.60	2.36	2.29	---	4.52	3.89	3.27	---	1.81	---	2.37	1.55
4	1.60	2.26	2.19	---	4.45	3.69	3.13	---	1.78	---	2.40	1.60
5	1.60	2.20	2.09	---	4.29	3.44	3.12	---	1.76	---	2.16	1.58
6	1.60	2.14	2.01	---	4.66	3.52	3.02	---	1.74	---	1.96	1.55
7	1.92	2.00	1.99	---	4.84	3.98	2.79	---	1.73	---	1.87	1.53
8	3.25	2.03	1.97	---	4.56	3.72	2.69	---	1.72	---	1.82	1.52
9	3.62	2.03	1.94	---	5.63	3.52	2.61	---	1.71	---	1.76	1.52
10	4.11	2.06	1.91	---	5.50	3.39	2.50	---	1.70	---	1.84	1.52
11	4.47	2.03	1.86	---	4.91	3.24	2.45	---	1.70	---	2.13	1.52
12	3.90	1.97	1.85	---	4.76	3.09	2.44	---	1.74	1.95	2.12	1.53
13	3.33	1.95	1.85	---	4.59	2.98	2.36	---	1.78	2.64	1.94	1.53
14	3.02	1.92	1.97	---	4.37	2.84	2.29	---	1.77	2.61	1.85	1.51
15	2.84	1.91	2.18	---	4.16	2.77	2.25	---	1.72	2.13	1.79	1.51
16	6.41	1.90	2.19	---	4.85	2.66	2.22	---	1.69	1.86	1.74	1.55
17	7.90	1.88	---	---	4.14	2.62	2.23	---	1.70	1.80	1.71	1.54
18	6.40	1.89	2.04	---	3.69	2.54	2.17	3.05	1.80	1.77	1.72	1.52
19	5.59	1.87	2.03	---	3.40	2.46	2.25	2.83	1.77	1.74	1.83	1.53
20	4.95	1.86	1.96	---	3.17	2.41	3.48	2.65	1.72	1.72	1.92	1.52
21	4.43	1.81	1.94	---	3.01	2.47	7.89	2.50	1.72	1.74	1.88	1.53
22	4.12	1.79	2.00	---	2.84	4.81	7.87	2.37	1.73	1.77	1.82	1.57
23	3.80	1.79	---	---	2.71	5.70	6.77	2.26	1.94	1.72	1.77	1.61
24	3.45	1.80	---	---	2.60	5.26	---	2.25	2.04	1.68	1.71	1.65
25	3.18	1.77	---	---	2.49	5.20	---	2.25	1.85	1.66	1.68	1.67
26	3.03	1.78	---	---	2.72	5.09	---	2.19	1.67	1.64	1.64	1.64
27	2.84	1.81	---	2.91	4.30	4.84	---	2.18	1.61	1.70	1.62	1.59
28	2.66	1.80	---	2.79	4.35	4.61	---	2.18	1.63	1.88	1.60	1.57
29	2.52	1.80	---	2.67	---	4.39	---	2.07	1.73	2.01	1.59	1.55
30	2.40	1.93	---	2.80	---	4.13	---	2.00	1.95	2.35	1.58	1.53
31	2.31	---	---	5.28	---	3.88	---	1.93	---	2.48	1.56	---
MAX	7.90	2.36	2.64	5.28	5.86	5.70	7.89	---	2.04	2.64	2.40	1.67
MIN	1.60	1.77	---	---	2.49	2.41	2.17	1.93	1.61	---	1.56	1.51

DISCHARGE, IN CUBIC FEET PER SECOND, OCTOBER TO DECEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC
1	6.8	141	429
2	6.8	99	350
3	6.9	164	708
4	7.0	180	876
5	7.0	227	815
6	6.9	180	753
7	7.4	131	683
8	7.9	99	584
9	12	75	482
10	34	58	425
11	45	44	826
12	56	36	1050
13	43	32	893
14	40	24	824
15	41	20	2170
16	26	18	2280
17	17	25	2070
18	14	156	2070
19	12	152	2140
20	13	348	1880
21	11	326	1490
22	15	225	1240
23	16	198	1100
24	13	326	995
25	12	327	948
26	10	266	1580
27	9.7	445	2000
28	9.2	602	2180
29	38	574	2250
30	59	496	2100
31	145	---	1800
TOTAL	747.6	5994	39991
MEAN	24.1	200	1290
MAX	145	602	2280
MIN	6.8	18	350
AC-FT	1480	11890	79320

CAL YR 1982 TOTAL 70340.3 MEAN 193
MAX 2280 MIN 6.8 AC-FT 139500

GAGE HEIGHT, IN FEET, OCTOBER TO DECEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC
1	1.51	3.64	5.62
2	1.51	3.22	5.19
3	1.52	3.87	7.16
4	1.53	4.02	8.09
5	1.53	4.40	7.75
6	1.52	4.02	7.41
7	1.57	3.54	7.02
8	1.61	3.22	6.47
9	1.86	2.99	5.90
10	2.50	2.81	5.60
11	2.67	2.66	7.81
12	2.78	2.55	9.05
13	2.64	2.47	8.18
14	2.59	2.32	7.80
15	2.61	2.23	14.88
16	2.37	2.15	18.20
17	2.13	2.25	18.42
18	1.98	3.79	17.80
19	1.89	3.75	16.40
20	1.95	5.09	13.60
21	1.86	5.05	11.48
22	2.03	4.39	10.10
23	2.04	4.14	9.33
24	1.97	5.05	8.75
25	1.89	5.06	8.49
26	1.80	4.68	11.97
27	1.74	5.68	16.02
28	1.70	6.56	---
29	2.30	6.41	---
30	2.82	5.98	---
31	3.68	---	---
MAX	3.68	6.56	---
MIN	1.51	2.15	---

07351571 BAYOU PIERRE BELOW CASPIANA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1979 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT 20...	1245	336	253	6.7	19.0	30	40	7.0	--	--
NOV 18...	1300	21	539	7.6	19.0	15	2.0	9.9	38	2.0
DEC 09...	1300	25	459	7.2	14.5	5	5.0	11.2	33	2.9
JAN 05...	1030	84	515	7.0	10.0	15	5.0	8.1	38	2.0
FEB 09...	0925	431	292	7.2	7.0	70	70	10.0	<10	3.1
MAR 23...	1415	445	233	6.5	18.0	70	50	6.2	32	6.0
APR 14...	1145	39	476	7.3	20.0	30	15	5.4	--	.5
MAY 18...	0945	93	300	6.7	24.0	40	35	6.0	44	1.1
JUN 08...	0945	13	795	7.7	26.0	15	3.0	6.2	23	2.4
JUL 07...	0925	16	612	7.3	29.0	20	8.0	5.8	22	1.0
AUG 03...	1500	61	465	7.1	33.0	20	5.0	5.8	150	.1
SEP 08...	1410	11	831	7.8	28.0	10	10	10.9	17	2.1

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 20...	480	2400	60	16	4.9	27	4.1	50	20	28
NOV 18...	K28	K100	180	43	18	44	2.8	156	52	40
DEC 09...	K30	K180	160	37	16	38	2.6	134	40	35
JAN 05...	700	3700	160	39	15	40	4.4	132	47	46
FEB 09...	1800	--	68	17	6.3	27	4.5	57	30	34
MAR 23...	K38000	K9000	62	16	5.3	18	4.1	52	24	18
APR 14...	K40	1000	160	36	17	38	3.0	115	46	46
MAY 18...	K60	K28000	87	21	8.3	24	3.5	80	23	31
JUN 08...	K35	1700	270	61	29	63	2.9	232	76	57
JUL 07...	K20	400	200	46	20	45	2.9	190	39	52
AUG 03...	110	330	140	34	14	39	3.4	151	20	40
SEP 08...	K20	2800	300	66	33	60	2.8	275	71	61

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07351571 BAYOU PIERRE BELOW CASPIANA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 20...	.2	5.1	139	135	77	.13	.94	.41	--
NOV 18...	.3	8.3	302	302	55	.09	.28	.08	5.6
DEC 09...	.2	6.4	273	255	4	.15	.36	.05	6.5
JAN 05...	.3	9.9	295	281	38	.50	1.5	.18	--
FEB 09...	.2	5.1	178	158	71	.44	.59	.37	8.3
MAR 23...	.2	5.6	142	122	146	.60	1.2	.54	10
APR 14...	.2	8.5	306	264	35	.17	.7	.20	7.1
MAY 18...	.2	6.1	191	165	112	.19	1.0	.39	12
JUN 08...	.3	12	481	440	12	<.10	.6	.13	4.7
JUL 07...	.3	14	362	333	13	<.10	.50	.19	7.2
AUG 03...	.3	11	256	253	49	.20	1.4	.23	8.4
SEP 08...	.4	16	472	475	20	<.10	.60	.15	5.6

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)
OCT 20...	1	<1	60	<10	<1	<1	10	8
JAN 05...	2	--	100	--	<1	--	<10	--
APR 14...	2	--	110	--	<1	--	10	--
JUL 07...	5	--	6	--	<1	--	10	--

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)
OCT 20...	--	7	1	65	1100	1	<10	270	76
JAN 05...	--	7	--	31	--	<1	--	200	--
APR 14...	<1	3	--	110	--	5	--	270	--
JUL 07...	--	8	--	<3	--	3	--	16	--

DATE	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	STRONTIUM, DISSOLVED (UG/L AS SR)	STRONTIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
OCT 20...	.2	<.01	<1	<1	150	4	17	7
JAN 05...	<.1	--	<1	--	270	--	13	--
APR 14...	<.1	--	<1	--	290	--	10	--
JUL 07...	<.1	--	<1	--	16	--	44	--

< Actual value is known to be less than the value shown.

07351571 BAYOU PIERRE BELOW CASPIANA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PCR, TOTAL (UG/L)	PCR, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT 20...	<.1	<1	<.1	<1	.004	<.1	<.10	<1	<.001	.8	<.001
APR 14...	<.1	--	<.1	--	<.001	--	<.10	--	<.001	--	<.001

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 20...	3.2	<.001	<.1	.10	<.1	<.001	<.1	<.001	<.1	<.001	<.1
APR 14...	--	<.001	--	.06	--	.003	--	<.001	--	<.001	--

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 20...	<.01	<.1	<.001	<.1	<.001	<.1	.305	<.1	<.01	<.1
APR 14...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	.4	<.01	<.1
APR 14...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--

< Actual value is known to be less than the value shown.

07351571 BAYOU PIERRE BELOW CASPIANA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PER-THANE TOTAL (UG/L)	PER-THANE IN BOTTOM MATERIL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
20...	<.01	<.1	<.1	<1	<.01	<.1	.04	.05	.05	.01
APR										
14...	<.1	--	<1	--	<.01	--	.05	<.01	<.01	<.01

DATE	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT		
21...	147	84
NOV		
18...	72	90
DEC		
09...	74	99
JAN		
05...	52	78
FEB		
09...	175	89
MAR		
23...	198	91
APR		
14...	128	86
MAY		
18...	116	91
JUN		
28...	86	94
JUL		
07...	118	78
AUG		
03...	122	96
SEP		
08...	169	95

< Actual value is known to be less than the value shown.

07351600 BAYOU PIERRE NEAR GRAND BAYOU, LA

LOCATION.--Lat 32°04'41", long 93°30'36", in SE1/4SE1/4 sec.29, T.13 N., R.11 W., DeSoto Parish, Hydrologic Unit 11140206, near left bank on downstream side of bridge on U.S. Highway 84, 0.7 mi (1.1 km) upstream from Bailey Bayou, and 2.8 mi (4.5 km) west of the village of Grand Bayou, and 10.8 mi (17.4 km) downstream from gaging station Bayou Pierre below Caspiana (station 07351571).

DRAINAGE AREA.--661 mi^2 (1,712 km^2).

PERIOD OF RECORD.--October 1979 to current year. October 1977 to September 1979 (daily gage heights, annual maximums, and daily discharge below 400 ft^3/s or 11.3 m^3/s only). October 1946 to November 1954, August 1956 to August 1957, and since September 1960, gage heights and discharge measurements in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 101.13 ft (30.824 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,260 ft^3/s (206 m^3/s) Jan. 22, 1979, gage height, 26.93 ft (8.208 m); minimum discharge, 4.1 ft^3/s (0.12 m^3/s) June 9, 10, 11, 1982; minimum gage height, 4.68 ft (1.426 m) Oct. 3, 4, 5, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 1933 reached a stage of 35.4 ft (10.80 m), from floodmark; discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,910 ft^3/s (82.4 m^3/s) Apr. 21, gage height, 16.55 ft (5.044 m); minimum, 4.1 ft^3/s (0.12 m^3/s) June 9,10, 11; minimum gage height, 4.68 ft (1.426 m) Oct. 3, 4, 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	49	44	21	566	308	243	487	16	904	438	12
2	12	49	64	23	441	292	213	400	12	596	274	12
3	12	55	49	44	392	271	226	327	10	337	156	16
4	12	49	40	75	365	246	201	263	8.2	201	154	17
5	12	43	35	94	336	215	219	215	7.1	135	119	17
6	13	38	31	75	389	272	200	176	6.5	94	79	16
7	15	35	28	59	406	342	171	173	5.6	87	46	13
8	111	33	27	49	379	325	152	169	4.9	61	38	12
9	224	31	26	43	603	273	138	142	4.7	39	29	11
10	276	30	24	38	594	245	123	116	4.4	63	24	11
11	303	31	23	33	475	221	114	97	4.3	117	61	11
12	260	29	21	49	424	198	108	81	6.7	51	105	14
13	180	28	22	70	387	178	97	78	7.3	49	71	14
14	132	27	31	84	342	159	87	96	7.8	134	49	17
15	108	25	31	118	313	145	81	147	6.8	172	37	45
16	336	23	41	159	733	130	77	157	7.3	53	28	31
17	834	23	36	149	647	119	853	148	11	47	21	24
18	629	22	32	126	439	106	971	137	10	28	18	19
19	462	22	31	110	328	93	413	118	12	18	21	19
20	379	19	30	102	261	83	1490	98	8.5	10	32	93
21	309	19	29	205	222	102	2680	81	16	7.3	38	71
22	267	18	29	249	187	367	2630	67	23	14	33	29
23	229	17	30	229	159	597	2030	55	91	17	28	52
24	184	17	29	205	137	535	1600	46	225	11	22	48
25	147	17	26	178	118	529	1270	43	148	7.9	18	34
26	123	17	25	164	159	516	1110	43	93	12	16	24
27	106	27	24	146	288	461	941	40	73	8.8	13	20
28	87	18	24	130	362	413	715	39	290	21	12	18
29	73	18	22	117	---	364	678	33	1210	71	11	18
30	61	19	21	136	---	319	582	26	1070	137	13	18
31	52	---	21	442	---	282	---	20	---	235	13	---
TOTAL	5960	848	946	3722	10452	8706	20413	4118	3400.1	3738.0	2017	756
MEAN	192	28.3	30.5	120	373	281	680	133	113	121	65.1	25.2
MAX	834	55	64	442	733	597	2680	487	1210	904	438	93
MIN	12	17	21	21	118	83	77	20	4.3	7.3	11	11
CFSM	.29	.04	.05	.18	.56	.43	1.03	.20	.17	.18	.10	.04
IN.	.34	.05	.05	.21	.59	.49	1.15	.23	.19	.21	.11	.04
AC-FT	11820	1680	1880	7380	20730	17270	40490	8170	6740	7410	4000	1500

CAL YR 1981 TOTAL 87792.0 MEAN 241 MAX 5740 MIN 10 CFSM .37 IN 4.94 AC-FT 174100
WTR YR 1982 TOTAL 65076.1 MEAN 178 MAX 2680 MIN 4.3 CFSM .27 IN 3.66 AC-FT 129100

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.70	5.05	5.02	4.83	7.16	6.31	6.06	7.02	4.94	8.09	6.81	4.82
2	4.69	5.05	5.18	4.85	6.77	6.25	5.94	6.76	4.91	7.35	6.24	4.82
3	4.69	5.08	5.07	5.02	6.61	6.17	5.99	6.53	4.88	6.62	5.75	4.85
4	4.69	5.05	5.00	5.25	6.52	6.07	5.88	6.30	4.86	6.12	5.74	4.86
5	4.69	5.01	4.96	5.36	6.42	5.95	5.96	6.10	4.84	5.82	5.56	4.87
6	4.71	4.97	4.92	5.25	6.60	6.16	5.88	5.94	4.83	5.60	5.27	4.85
7	4.74	4.95	4.90	5.14	6.66	6.44	5.75	5.92	4.82	5.56	5.12	4.83
8	5.37	4.93	4.89	5.07	6.56	6.37	5.66	5.90	4.81	5.40	5.05	4.81
9	5.85	4.91	4.88	5.03	7.26	6.18	5.60	5.77	4.80	5.24	4.98	4.80
10	6.06	4.91	4.87	4.99	7.24	6.07	5.52	5.64	4.80	5.39	4.94	4.80
11	6.17	4.92	4.85	4.95	6.88	5.97	5.47	5.54	4.79	5.72	5.18	4.81
12	5.99	4.90	4.84	5.06	6.72	5.87	5.44	5.44	4.84	5.31	5.42	4.83
13	5.67	4.89	4.84	5.21	6.59	5.79	5.38	5.42	4.85	5.29	5.29	4.84
14	5.48	4.88	4.93	5.30	6.44	5.70	5.32	5.53	4.85	5.81	5.14	4.87
15	5.37	4.87	4.93	5.48	6.33	5.63	5.28	5.80	4.84	5.98	5.05	5.11
16	6.23	4.86	5.01	5.70	7.62	5.56	5.26	5.85	4.85	5.32	4.97	4.99
17	7.79	4.85	4.97	5.65	7.39	5.50	8.10	5.80	4.88	5.27	4.90	4.91
18	7.26	4.85	4.93	5.53	6.76	5.43	8.44	5.75	4.88	5.11	4.88	4.85
19	6.78	4.84	4.92	5.45	6.39	5.35	6.66	5.65	4.90	5.00	4.90	4.84
20	6.48	4.82	4.92	5.41	6.13	5.29	10.54	5.54	4.86	4.92	5.01	5.32
21	6.19	4.81	4.91	5.88	5.97	5.39	15.77	5.44	4.93	4.87	5.06	5.20
22	6.02	4.80	4.91	6.09	5.82	6.50	15.61	5.36	5.01	4.94	5.01	4.91
23	5.87	4.79	4.92	6.00	5.70	7.25	13.34	5.27	5.45	4.96	4.97	5.10
24	5.68	4.79	4.91	5.90	5.59	7.06	11.03	5.21	6.15	4.88	4.91	5.07
25	5.54	4.79	4.88	5.79	5.49	7.05	9.39	5.19	5.80	4.84	4.88	4.95
26	5.44	4.79	4.87	5.71	5.69	7.01	8.67	5.19	5.52	4.88	4.85	4.87
27	5.36	4.89	4.87	5.64	6.23	6.84	8.18	5.16	5.39	4.83	4.83	4.83
28	5.27	4.81	4.86	5.55	6.51	6.68	7.63	5.16	6.12	4.94	4.82	4.80
29	5.19	4.80	4.84	5.49	---	6.51	7.54	5.10	9.11	5.30	4.81	4.80
30	5.13	4.81	4.84	5.57	---	6.35	7.28	5.04	8.56	5.68	4.83	4.81
31	5.07	---	4.84	6.77	---	6.22	---	4.99	---	6.07	4.83	---
MAX	7.79	5.08	5.18	6.77	7.62	7.25	15.77	7.02	9.11	8.09	6.81	5.32
MIN	4.69	4.79	4.84	4.83	5.49	5.29	5.26	4.99	4.79	4.83	4.81	4.80

07351748 WEST BRANCH DOLET BAYOU AT RAMBIN , LA

LOCATION.--Lat 31°57'35", long 93°27'05", in SW1/4 sec.12 T.11 N., R.11 W., De Soto Parish, Hydrologic Unit 11140206, at bridge on State Highway 177 and 0.6 mi (1.0 km) north of Rambin.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1980 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT								
20...	1115	276	5.2	14.0	150	10	4.0	--
JAN								
05...	0925	190	5.3	7.0	80	5.0	7.4	1.1
APR								
14...	1300	183	5.8	20.5	140	15	3.7	.7

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT									
20...	K75	710	58	11	7.5	29	2.7	4	55
JAN									
05...	290	1000	34	6.5	4.4	22	1.9	4	16
APR									
14...	240	3600	35	6.9	4.2	22	1.6	20	5.0

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT								
20...	38	<.1	28	197	173	.04	.91	.26
JAN								
05...	42	<.1	20	139	115	.05	.52	.09
APR								
14...	36	<.1	12	143	100	<.10	1.0	.24

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)
OCT												
20...	2	<1	5	<1	3	<1	8	7	2100	1200	2	40

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT												
20...	1200	270	<.1	.10	50	20	16	<1	<.10	4	<.1	<1

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07351748 WEST BRANCH DOLET BAYOU AT RAMBIN , LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)
OCT											
20...	<.01	<.1	<.1	<1	<.01	1.4	<.01	1.6	<.01	23	.01

DATE	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
20...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)
OCT											
20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
20...	<.1	<.01	.3	<.01	<.1	<.01	<.1	<.1	<1	<.01	<.1

DATE	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
20...	76	--	91
JAN			
05...	34	--	93
APR			
14...	96	--	92
22...	54	60	--

< Actual value is known to be less than the value shown.

07351750 BAYOU PIERRE NEAR LAKE END, LA

LOCATION.--Lat 31°53'40", long 93°20'30", in NE1/4 sec.36, T.11 N., R.10 W., Red River-Natchitoches Parish Line, Hydrologic Unit 11140206, at bridge on State Highway 174, and 2.9 mi (4.7 km) southwest of Lake End.

DRAINAGE AREA.--860 mi^2 (2227 km^2).

PERIOD OF RECORD.--Water years 1980 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 20...	0915	204	6.7	20.0	60	60	5.3	--	--	K120
NOV 18...	1715	530	7.6	16.5	15	10	7.6	23	2.5	K32
DEC 09...	1415	849	7.4	15.0	5	20	9.8	2	2.1	K18
JAN 05...	0805	678	7.2	10.0	5	3.0	9.2	36	1.6	K75
FEB 09...	0800	264	7.0	7.0	100	80	10.1	49	2.7	1100
MAR 23...	1300	337	6.7	17.5	70	35	8.8	43	5.1	K850
APR 15...	0900	424	7.2	20.0	50	30	6.3	--	1.9	K55
MAY 18...	0815	430	6.7	25.0	40	20	4.5	73	--	250
JUN 08...	0815	399	7.6	28.0	30	2.0	5.3	33	2.5	K15
JUL 07...	0730	223	6.6	28.5	120	85	4.8	26	3.2	220
AUG 03...	1400	573	7.3	28.0	30	45	4.6	45	3.6	K240
SEP 08...	1245	873	7.5	28.0	10	15	8.3	18	4.2	K12

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 20...	1400	54	14	4.6	19	4.4	49	13	20
NOV 18...	350	170	41	17	40	3.6	150	42	43
DEC 09...	--	320	70	35	63	2.7	278	82	70
JAN 05...	K70	240	56	25	45	2.4	211	59	54
FEB 09...	9300	70	17	6.7	29	4.3	47	29	30
MAR 23...	3600	97	23	9.6	29	4.4	80	29	34
APR 15...	2500	130	31	13	36	3.6	120	35	41
MAY 18...	K26000	150	32	16	30	3.3	124	38	37
JUN 08...	300	130	32	12	33	3.9	110	25	35
JUL 07...	560	66	16	6.3	15	3.5	51	19	17
AUG 03...	280	190	45	19	41	3.5	172	50	41
SEP 08...	530	320	73	34	61	3.2	310	56	76

K Results based on colony count outside the acceptable range (non-ideal count).

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
20...	.2	5.1	112	109	--	.39	.77	.34	8.6
NOV									
18...	.3	8.9	294	286	74	.22	<.10	.11	6.1
DEC									
09...	.3	8.1	508	498	16	.10	.46	.07	4.8
JAN									
05...	.2	10	389	379	22	.10	.31	.09	5.6
FEB									
09...	.2	6.9	163	151	57	.47	.71	.27	9.1
MAR									
23...	.2	10	206	187	107	.42	.92	.23	12
APR									
15...	.2	8.2	258	240	68	.27	.69	.23	9.1
MAY									
18...	.2	9.1	252	240	52	.39	1.0	.24	--
JUN									
08...	.2	6.8	235	214	6	<.10	.4	.14	8.9
JUL									
07...	.2	7.7	142	116	49	.44	.9	.18	13
AUG									
03...	.3	11	307	314	81	.38	2.1	.33	8.1
SEP									
08...	.3	13	516	502	37	<.10	.9	.11	6.1

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)
OCT										
20...	--	<1	--	<1	4	--	--	3	--	3400
JAN										
05...	1	--	<1	--	--	<1	3	--	52	--
APR										
15...	2	--	<1	--	--	<1	6	--	210	--
JUL										
07...	4	--	1	--	--	<1	15	--	110	--

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT										
20...	--	<10	--	140	--	<.01	--	18	<.01	<1
JAN										
05...	<1	--	310	--	<.1	--	13	--	--	--
APR										
15...	3	--	220	--	.2	--	18	--	--	--
JUL										
07...	4	--	59	--	<.1	--	11	--	--	--

< Actual value is known to be less than the value shown.

07351750 BAYOU PIERRE NEAR LAKE END, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT 20...	<.1	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	2.4	<.01
APR 15...	<.1	--	<.1	--	<.01	--	<.1	--	<.01	--	<.01

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 20...	6.7	<.01	1.6	.16	<.1	.01	<.1	<.01	<.1	<.01	<.1
APR 15...	--	<.01	--	.05	--	<.01	--	<.01	--	<.01	--

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	.01	<.1
APR 15...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 20...	<.01	<.1	.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
APR 15...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 20...	<.01	<.1	<.1	<1	<.01	<.1	.14	<.01	.05	<.01
APR 15...	<.1	--	<1	--	<.01	--	.08	<.01	<.01	<.01

< Actual value is known to be less than the value shown.

07351755 BAYOU PIERRE NEAR POWHATAN, LA

LOCATION.--Lat 31°51'37", long 93°12'22", in SE1/4SE1/4 sec. 22, T. 10 N., R. 8 W., Natchitoches Parish, Hydrologic Unit 11140206, at right bank on downstream side of bridge on State Highway 485, 1.0 mi (1.6 km) southwest of Powhatan, 2.7 mi (4.3 km) upstream from Flat River, and 11.8 mi (19.0 km) upstream from mouth.

DRAINAGE AREA.--879 mi^2 (2,277 km^2).

PERIOD OF RECORD.--August 1980 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 83.61 ft (25.484 m) National Geodetic Vertical Datum of 1929.

REMARKS.--No gage height recorded below 1.85 ft (0.564 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height 22.36 ft (6.815 m) June 10, 1981, minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.72 ft (6.011 m) June 21, 22; minimum not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	16.49	6.17	3.50	7.11	---	5.31	7.50	17.11	18.81	6.29	2.90
2	---	16.57	6.04	3.47	7.37	---	5.53	7.12	16.74	18.78	6.14	2.97
3	1.86	16.67	5.97	3.40	7.95	---	5.74	6.56	16.61	18.47	5.84	2.93
4	---	16.92	5.92	3.29	10.85	---	5.81	5.89	16.84	17.65	5.44	2.91
5	---	17.40	5.84	3.34	12.57	---	5.82	5.25	17.27	17.03	5.32	2.78
6	1.85	17.90	6.16	3.52	13.42	---	6.00	4.82	17.60	17.18	6.38	2.75
7	---	17.95	7.26	3.52	13.94	---	6.24	4.53	17.77	17.58	7.34	2.69
8	---	17.29	7.53	3.36	14.22	8.80	6.80	4.34	17.97	17.72	7.16	2.49
9	2.03	16.70	7.19	3.21	14.37	8.42	7.45	4.11	18.05	17.38	6.29	2.39
10	3.09	16.49	6.58	3.09	14.34	8.23	7.28	3.88	17.92	16.73	5.49	2.12
11	3.61	16.42	5.98	3.00	13.81	8.21	6.90	3.63	17.95	16.25	5.04	2.10
12	3.76	16.14	5.42	3.05	12.98	8.07	6.41	3.49	18.19	16.08	4.85	2.12
13	3.68	15.97	5.00	3.11	12.05	7.81	5.71	3.47	18.40	16.19	4.85	2.10
14	3.38	16.11	4.76	3.25	11.36	7.73	5.28	3.53	18.45	16.27	4.77	2.06
15	3.05	15.53	4.55	3.45	10.66	7.34	4.94	3.72	18.42	16.15	4.49	1.99
16	2.81	14.05	4.41	3.72	11.94	6.76	4.43	6.78	18.44	15.81	4.16	1.93
17	3.46	12.70	4.28	4.07	10.78	6.39	6.30	12.99	18.55	15.30	3.92	2.04
18	5.15	11.70	4.15	4.36	---	6.23	8.23	15.19	18.74	14.56	3.83	1.95
19	6.70	10.83	4.03	4.45	---	6.34	7.98	16.15	18.76	13.38	3.80	2.01
20	10.84	10.04	3.90	4.40	---	6.81	13.15	15.62	19.01	11.77	3.74	2.34
21	13.40	9.26	3.82	5.79	---	7.78	15.24	14.24	19.54	10.24	3.64	2.34
22	15.00	8.60	3.73	4.88	---	8.70	15.29	13.92	19.59	9.23	3.58	2.25
23	15.71	8.19	3.64	4.46	---	8.90	14.35	14.60	19.07	8.65	3.57	2.23
24	15.95	7.95	3.58	4.23	---	8.63	12.57	15.30	18.58	8.27	3.49	2.09
25	16.03	7.73	3.56	4.05	---	7.63	11.18	15.65	18.42	8.00	3.43	2.07
26	16.22	7.39	3.64	3.94	---	6.73	10.32	15.90	18.53	7.83	3.30	2.13
27	16.51	7.04	3.80	4.01	---	6.17	9.49	16.32	18.66	7.69	3.29	2.14
28	16.44	6.76	3.78	4.65	---	5.92	8.71	16.69	18.79	7.40	3.14	2.07
29	16.25	6.54	3.67	5.96	---	5.72	8.09	16.95	18.91	7.02	3.17	2.01
30	16.30	6.34	3.56	6.64	---	5.46	7.77	17.25	18.84	6.68	3.15	1.94
31	16.41	---	3.54	6.89	---	5.29	---	17.35	---	6.39	3.00	---
MAX	16.44	17.95	7.53	6.89	14.37	8.90	15.29	17.35	19.59	18.81	7.34	2.97
MIN	---	6.34	3.54	3.00	---	5.29	4.43	3.47	16.61	6.39	3.00	1.93

NOTE.--No gage-height record Feb. 18 to Mar. 7.

07352000 SALINE BAYOU NEAR LUCKY, LA

LOCATION.--Lat 32°15'00", long 93°58'35", in SW1/4SW1/4 sec.27, T.15 N., R.6 W., Bienville Parish, Hydrologic Unit 11140208, near center of span on downstream side of bridge on State Highway 4, 0.7 mi (1.1 km) downstream from Sixmile Creek, and 1.0 mi (1.6 km) east of Lucky.

DRAINAGE AREA.--154 mi^2 (399 km^2).

PERIOD OF RECORD.--June 1940 to current year.

REVISED RECORDS.--WSP 1177: Drainage area.

GAGE.--Duplex water-stage recorder (rain-gage and water-stage combination). Datum of gage is 152.65 ft (46.528 m) National Geodetic Vertical Datum of 1929. Prior to Feb. 28, 1949, nonrecording gage, Mar. 1, 1949, to Apr. 26, 1971, water-stage recorder, at same site and datum.

REMARKS.--Records fair. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--42 years, 160 ft^3/s (4.531 m^3/s), 14.11 in/yr (358 mm/yr), 115,900 acre-ft/yr (143 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,500 ft^3/s (382 m^3/s) Jan. 1, 1945, gage height, 12.90 ft (3.932 m), from rating curve extended above 6,400 ft^3/s (181 m^3/s) on basis of records for Black Lake Bayou near Castor and Dugdemona River near Jonesboro; minimum discharge, 2.4 ft^3/s (0.068 m^3/s) Aug. 14, 1954; minimum gage height, 1.66 ft (0.506 m) Aug. 7, 8, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,000 ft^3/s (28 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
April 20	2400	*1260	35.7	*7.31	2.228

Minimum discharge, 3.0 ft^3/s (0.08 m^3/s) Aug. 29, gage height, 2.13 ft (0.649 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	18	53	28	111	133	58	178	12	127	9.0	3.2
2	6.4	22	38	27	96	108	57	158	10	172	9.8	3.2
3	6.2	20	27	44	99	86	55	115	9.3	130	12	4.9
4	7.2	18	22	82	84	74	85	88	8.8	72	12	4.7
5	8.4	15	22	76	69	67	139	72	8.0	42	13	4.3
6	13	14	18	64	80	71	138	59	7.4	27	9.5	3.8
7	19	13	16	54	84	109	107	50	7.0	23	8.6	3.5
8	45	13	17	72	82	136	80	44	6.2	20	8.2	3.5
9	56	15	17	61	150	131	62	38	6.0	25	7.8	3.2
10	64	16	16	40	201	104	51	34	5.4	23	7.2	3.2
11	52	15	16	27	187	86	45	29	5.4	17	6.4	3.7
12	33	16	16	30	147	79	40	25	9.0	17	6.2	4.6
13	26	15	19	58	108	79	31	22	8.0	19	5.8	4.7
14	21	15	34	69	82	67	31	29	7.5	16	5.8	4.7
15	17	16	41	70	72	64	30	28	7.0	13	5.4	4.3
16	15	17	33	85	190	87	30	24	9.3	12	4.7	4.1
17	12	16	29	85	290	85	42	19	14	11	4.3	4.1
18	21	15	28	69	252	67	42	20	9.8	10	4.3	4.1
19	28	16	26	67	197	57	63	41	7.8	9.3	4.3	3.8
20	23	17	25	61	137	50	1040	42	8.8	8.8	4.1	5.0
21	17	16	25	99	101	48	1070	79	12	8.6	3.8	6.2
22	16	17	26	159	80	143	771	55	23	8.2	4.0	5.6
23	23	17	27	137	67	266	694	33	67	7.6	5.6	5.4
24	25	17	25	96	59	269	626	21	84	7.4	5.2	4.7
25	26	17	23	71	53	200	360	25	44	12	4.7	4.4
26	35	18	22	52	72	136	217	26	67	13	4.0	4.3
27	31	20	24	42	122	105	183	21	68	9.8	3.4	4.9
28	25	24	23	35	133	86	147	20	107	8.2	3.2	5.0
29	20	26	21	32	---	75	122	17	148	7.6	3.2	5.4
30	17	59	20	36	---	65	147	14	102	7.8	3.2	7.0
31	14	---	27	104	---	61	---	14	---	8.2	3.2	---
TOTAL	728.6	554	776	2032	3405	3194	6563	1440	888.7	892.5	191.7	133.5
MEAN	23.5	18.5	25.0	65.5	122	103	219	46.5	29.6	28.8	6.18	4.45
MAX	64	59	53	159	290	269	1070	178	148	172	13	7.0
MIN	6.2	13	16	27	53	48	30	14	5.4	7.4	3.2	3.2
CFSM	.15	.12	.16	.43	.79	.67	1.42	.30	.19	.19	.04	.03
IN.	.18	.13	.19	.49	.82	.77	1.59	.35	.21	.22	.05	.03
AC-FT	1450	1100	1540	4030	6750	6340	13020	2860	1760	1770	380	265
(†)	3.25	.56	.65	6.24	2.53	1.97	6.89	1.16	3.64	2.05	.84	---

CAL YR 1981 TOTAL 19702.4 MEAN 54.0 MAX 980 MIN 6.2 CFSM .35 IN 4.76 AC-FT 39080
WTR YR 1982 TOTAL 20799.0 MEAN 57.0 MAX 1070 MIN 3.2 CFSM .37 IN 5.02 AC-FT 41250

†Precipitation, in inches, during month at rain gage at station. Total for calendar year 1981, 33.01 inches.

07352000 SALINE BAYOU NEAR LUCKY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.27	2.90	3.95	3.30	4.83	5.06	3.95	5.38	2.62	4.95	2.38	2.14
2	2.27	3.02	3.64	3.28	4.62	4.74	3.93	5.20	2.55	5.37	2.41	2.14
3	2.26	2.98	3.40	3.65	4.65	4.41	3.88	4.70	2.51	4.89	2.50	2.25
4	2.31	2.90	3.27	4.30	4.40	4.21	4.39	4.31	2.49	4.01	2.50	2.24
5	2.37	2.82	3.28	4.21	4.14	4.10	5.11	4.04	2.45	3.42	2.52	2.21
6	2.55	2.79	3.17	4.00	4.33	4.16	5.10	3.83	2.42	3.06	2.40	2.18
7	2.75	2.75	3.11	3.83	4.39	4.76	4.70	3.67	2.40	2.87	2.37	2.16
8	3.35	2.75	3.14	4.13	4.36	5.09	4.28	3.55	2.36	2.78	2.35	2.16
9	3.55	2.85	3.14	3.95	5.26	5.03	3.97	3.44	2.35	2.92	2.33	2.14
10	3.71	2.89	3.11	3.56	5.68	4.69	3.77	3.34	2.32	2.86	2.31	2.14
11	3.50	2.86	3.10	3.28	5.58	4.41	3.65	3.22	2.32	2.70	2.28	2.17
12	3.12	2.87	3.09	3.34	5.22	4.30	3.56	3.12	2.54	2.69	2.27	2.23
13	2.95	2.86	3.20	3.90	4.74	4.29	3.49	3.06	2.50	2.73	2.26	2.24
14	2.84	2.86	3.65	4.08	4.34	4.10	3.47	3.24	2.53	2.65	2.26	2.24
15	2.73	2.89	3.79	4.10	4.18	4.05	3.43	3.20	2.55	2.56	2.25	2.21
16	2.66	2.96	3.59	4.35	5.54	4.42	3.41	3.10	2.57	2.50	2.21	2.20
17	2.58	2.93	3.47	4.35	6.06	4.40	3.64	2.97	2.67	2.48	2.19	2.20
18	2.85	2.92	3.42	4.08	5.93	4.10	3.59	2.99	2.55	2.43	2.19	2.20
19	3.04	2.94	3.35	4.05	5.65	3.92	3.93	3.45	2.48	2.40	2.20	2.18
20	2.93	2.96	3.28	3.95	5.10	3.79	7.12	3.42	2.55	2.38	2.19	2.26
21	2.75	2.95	3.27	4.42	4.64	3.76	7.17	4.04	2.69	2.36	2.18	2.32
22	2.74	3.02	3.26	5.42	4.31	5.05	6.81	3.63	3.04	2.34	2.19	2.30
23	2.93	3.04	3.26	5.18	4.10	6.02	6.71	3.20	3.95	2.31	2.29	2.29
24	2.98	3.03	3.21	4.65	3.96	6.03	6.62	2.90	4.25	2.30	2.27	2.26
25	3.02	3.03	3.17	4.23	3.86	5.70	6.12	3.00	3.58	2.50	2.24	2.24
26	3.24	3.05	3.15	3.90	4.18	5.12	5.64	3.02	4.01	2.53	2.19	2.24
27	3.15	3.18	3.19	3.70	4.92	4.73	5.42	2.91	4.05	2.41	2.15	2.28
28	2.58	3.32	3.16	3.55	5.06	4.43	5.09	2.87	4.69	2.34	2.14	2.30
29	2.90	3.38	3.11	3.48	---	4.23	4.79	2.78	5.21	2.31	2.14	2.32
30	2.82	4.05	3.10	3.56	---	4.07	5.09	2.70	4.66	2.32	2.14	2.30
31	2.75	---	3.27	4.68	---	4.00	---	2.68	---	2.34	2.14	---
MAX	3.71	4.05	3.95	5.42	6.06	6.03	7.17	5.38	5.21	5.37	2.52	2.32
MIN	2.26	2.75	3.09	3.28	3.86	3.76	3.41	2.68	2.32	2.30	2.14	2.14

07352800 GRAND BAYOU NEAR COUSHATTA, LA

LOCATION.--Lat 32°02'55", long 93°18'10", in SW1/4SW1/4 sec.4, T.12 N., R.9 W., Red River Parish, Hydrologic Unit 11130109, near right bank on downstream side of bridge on State Highway 155, 0.5 mi (0.8 km) upstream from Carrol Creek, and 3.3 mi (5.3 km) north of Coushatta.

DRAINAGE AREA.--93.9 mi^2 (243.2 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1956 to September 1977. June 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 136.26 ft (41.532 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair between 100 and 200 cfs, poor below and good above. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--24 years (water years 1957-77, 1980-82), 85.7 ft^3/s (2.427 m^3/s), 12.39 in/yr (315 mm/yr), 62,100 acre-ft/yr (76.6 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,920 ft^3/s (224 m^3/s) Sept. 21, 1958, gage height, 11.47 ft (3.496 m); no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 700 ft^3/s (20 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Apr. 20	0600	*1460	41.3	*8.72	2.658

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.25	.40	.76	.90	150	86	17	25	2.2	4.0	1.2	.00
2	.15	.41	.66	1.1	159	45	17	17	2.1	3.3	1.1	.00
3	.10	.35	.55	1.4	89	31	26	13	1.9	3.2	1.2	.00
4	.18	.32	.45	2.0	45	23	23	10	2.0	3.0	1.2	.00
5	.25	.34	.35	2.5	34	21	39	7.5	1.9	2.9	1.2	.00
6	.46	.22	.30	4.3	33	19	65	7.2	1.8	2.7	1.2	.00
7	.75	.18	.27	4.3	53	35	31	6.3	1.8	2.6	1.3	.00
8	.87	.26	.25	4.0	58	112	20	6.2	1.6	2.4	1.4	.00
9	1.0	.39	.20	3.8	121	88	16	6.0	1.5	2.4	1.4	.00
10	.82	.43	.20	2.9	183	40	14	5.3	1.4	2.2	1.2	.00
11	.47	.40	.15	2.7	144	25	12	4.6	1.5	2.0	1.2	.00
12	.51	.40	.15	3.3	82	20	12	4.3	1.6	1.9	1.3	.00
13	.90	.33	.15	5.8	42	18	10	4.1	1.7	1.9	1.2	.00
14	.82	.17	.10	8.0	26	17	9.9	4.3	1.6	1.7	1.2	.00
15	.69	.11	.10	20	22	16	9.8	4.0	1.9	1.7	1.2	.00
16	.61	.11	.15	16	255	16	8.9	3.9	2.3	1.7	1.1	.00
17	.62	.09	.15	16	305	15	359	3.3	2.1	1.8	1.0	.00
18	.40	.11	.15	16	285	14	141	3.0	2.0	1.7	1.1	.00
19	.43	.08	.10	15	170	13	46	2.9	1.9	1.7	1.0	.00
20	.87	.10	.10	13	61	12	1020	3.0	1.8	1.6	.90	.40
21	.84	.09	.15	12	32	14	1090	4.1	2.0	1.4	.80	.50
22	.78	.08	.15	54	23	66	870	4.3	1.6	1.3	.75	.30
23	.79	.08	.15	55	20	204	650	3.7	1.3	1.2	.65	.20
24	.47	.10	.10	41	17	259	436	3.1	1.7	1.1	.60	.10
25	.57	.25	.10	25	16	206	263	3.1	2.1	1.0	.55	.10
26	.91	.47	.15	18	19	77	235	2.8	2.6	1.1	.35	.10
27	.65	.61	.15	14	85	35	152	2.9	2.7	.95	.30	.04
28	.50	.60	.15	13	115	23	48	2.6	3.0	.95	.20	.03
29	.44	.73	.20	12	---	21	28	2.3	3.8	1.2	.15	.02
30	.35	.80	.25	13	---	19	33	2.1	5.0	1.1	.04	.01
31	.31	---	.75	66	---	18	---	2.2	---	1.1	.01	---
TOTAL	17.76	9.01	7.59	466.00	2644	1608	5701.6	174.1	62.4	58.80	28.00	1.80
MEAN	.57	.30	.24	15.0	94.4	51.9	190	5.62	2.08	1.90	.90	.060
MAX	1.0	.80	.76	66	305	259	1090	25	5.0	4.0	1.4	.50
MIN	.10	.08	.10	.90	16	12	8.9	2.1	1.3	.95	.01	.00
CFSM	.006	.003	.003	.16	1.01	.55	2.02	.06	.02	.02	.01	.001
IN.	.01	.00	.00	.18	1.05	.64	2.26	.07	.02	.02	.01	.00
AC-FT	35	18	15	924	5240	3190	11310	345	124	117	56	3.6

CAL YR 1981 TOTAL 9088.90 MEAN 24.9 MAX 1350 MIN .00 CFSM .27 IN 3.60 AC-FT 18030
WTR YR 1982 TOTAL 10779.06 MEAN 29.5 MAX 1090 MIN .00 CFSM .31 IN 4.27 AC-FT 21380

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.56	1.58	1.91	1.84	4.92	3.88	2.10	2.88	1.60	2.39	2.59	2.24
2	.54	1.60	---	1.85	5.04	3.18	2.08	2.50	1.63	2.33	2.57	2.20
3	.53	1.61	---	1.86	3.99	2.82	2.54	2.22	1.66	2.34	2.58	2.19
4	.55	1.62	---	1.90	3.26	2.54	2.40	2.03	1.69	2.34	2.58	2.18
5	.57	1.64	---	1.93	2.97	2.42	2.90	1.85	1.70	2.35	2.58	2.15
6	.60	1.63	---	2.08	2.94	2.36	3.40	1.82	1.71	2.34	2.58	2.14
7	.66	1.64	---	2.08	3.37	2.95	2.70	1.73	1.71	2.35	2.60	2.12
8	1.63	1.65	1.63	2.05	3.46	4.30	2.28	1.72	1.69	2.35	2.61	2.10
9	.82	1.69	1.61	2.03	4.49	3.90	2.04	1.70	1.68	2.36	2.61	2.07
10	.80	1.70	1.62	1.94	5.31	3.06	1.88	1.63	1.67	2.36	2.59	2.05
11	.74	1.70	1.63	1.92	4.79	2.62	1.78	1.56	1.69	2.35	2.58	2.06
12	.74	1.70	1.63	1.98	3.83	2.41	1.74	1.53	1.71	2.36	2.60	2.13
13	.89	1.70	1.64	2.02	3.14	2.29	1.66	1.51	1.73	2.37	2.59	2.12
14	.96	1.66	1.66	2.00	2.68	2.24	1.62	1.56	1.73	2.37	2.59	2.11
15	1.00	1.66	1.66	2.38	2.52	2.18	1.61	1.55	1.76	2.39	2.58	2.10
16	1.01	1.68	1.66	2.31	5.75	2.13	1.55	1.56	1.84	2.40	2.57	2.07
17	1.05	1.70	1.68	2.31	6.49	2.11	6.45	1.50	1.85	2.43	2.55	2.05
18	1.06	1.72	1.67	2.32	6.29	2.05	4.51	1.48	1.87	2.44	2.56	2.04
19	1.10	1.74	1.66	2.22	4.86	1.96	3.06	1.47	1.89	2.45	2.55	2.10
20	1.23	1.78	1.66	2.11	3.45	1.92	8.32	1.48	1.91	2.46	2.53	2.51
21	1.27	1.80	1.67	2.05	2.87	2.00	8.40	1.59	2.03	2.45	2.51	2.53
22	1.31	1.79	1.68	3.24	2.55	3.37	8.15	1.62	2.04	2.45	2.50	2.49
23	1.35	1.80	1.68	3.49	2.37	5.35	7.78	1.56	2.07	2.44	2.48	2.47
24	1.35	1.82	1.69	3.20	2.24	5.90	7.18	1.51	2.13	2.45	2.46	2.45
25	1.44	1.85	1.69	2.74	2.14	5.31	5.88	1.51	2.18	2.45	2.45	2.45
26	1.58	1.88	1.70	2.38	2.32	3.60	5.60	1.49	2.23	2.47	2.42	2.45
27	1.55	1.91	1.71	2.13	3.70	2.81	4.65	1.50	2.24	2.47	2.39	2.43
28	1.53	1.90	1.72	2.03	4.36	2.43	3.50	1.48	2.27	2.49	2.37	2.42
29	1.54	1.92	1.75	1.97	---	2.30	2.99	1.46	2.35	2.55	2.36	2.40
30	1.54	1.93	1.77	2.04	---	2.20	3.15	1.45	2.47	2.55	2.32	2.39
31	1.55	---	1.84	3.42	---	2.14	---	1.50	---	2.57	2.28	---
MAX	1.63	1.93	---	3.49	6.49	5.90	8.40	2.88	2.47	2.57	2.61	2.53
MIN	.53	1.58	1.61	1.84	2.14	1.92	1.55	1.45	1.60	2.33	2.28	2.04

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955-56, 1966-67, 1979 to current year.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: March 1981 to current year.
SUSPENDED-SEDIMENT DISCHARGE: March 1981 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 426 mg/L Sept. 28, 1982; minimum daily mean, no flow Sept. 1-19,1982.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 174 tons (158 tonnes) Apr. 21 1982; minimum daily, no flow Sept. 1-19, 1982.

EXTREMES FOR CURRENT YEAR.--
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 426 mg/L Sept. 28; minimum daily mean, no flow Sept. 1-19.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 174 tons (158 tonnes) Apr. 21; minimum daily, no flow Sept. 1-19.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT								
20...	1235	126	5.9	14.0	70	5.0	3.2	--
JAN								
05...	1210	122	5.9	11.0	70	2.0	3.2	4.8
APR								
13...	1700	188	6.3	16.5	70	5.0	4.5	.8

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT									
20...	K40	K150	30	7.4	2.8	13	3.0	26	4.8
JAN									
05...	K45	220	26	6.1	2.5	14	3.1	31	4.0
APR									
13...	280	820	31	7.0	3.4	23	2.1	24	13

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT								
20...	16	<.1	9.4	92	72	.04	.49	.11
JAN								
05...	14	<.1	20	99	83	.05	.83	.18
APR								
13...	33	<.1	11	141	106	.30	.90	.09

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT 20...	1	<1	3	<1	2	<1	3	<1	1200	490	2

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
OCT 20...	<10	2300	180	<.1	<.01	17	4	11	<.01	<1	<.10

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 20...	4	<.1	<1	<.01	<.1	<.1	5	<.01	18	<.01	5.6

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	.3	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 20...	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.01	<.01	<.01

< Actual value is known to be less than the value shown.

07352800 GRAND BAYOU NEAR COUSHATTA, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	23	.02	52	.06	36	.07	24	.06	40	16	48	11
2	18	.00	52	.06	23	.04	32	.10	47	20	42	5.1
3	22	.00	57	.05	18	.03	26	.10	43	10	44	3.7
4	38	.02	50	.04	36	.04	28	.15	37	4.5	47	2.9
5	40	.03	35	.03	42	.04	40	.27	41	3.8	56	3.2
6	45	.06	57	.03	75	.06	46	.53	44	3.9	46	2.4
7	68	.14	76	.04	40	.03	44	.51	46	6.6	40	3.8
8	80	.19	30	.02	26	.02	45	.49	48	7.5	38	11
9	84	.23	18	.02	29	.02	42	.43	39	13	32	7.6
10	104	.23	20	.02	28	.02	31	.24	38	19	30	3.2
11	84	.11	25	.03	27	.01	32	.23	42	16	31	2.1
12	88	.12	20	.02	24	.00	27	.24	56	12	31	1.7
13	95	.23	20	.02	21	.00	28	.44	40	4.5	30	1.5
14	66	.15	30	.01	18	.00	26	.56	35	2.5	28	1.3
15	35	.07	25	.00	17	.00	28	1.5	38	2.3	22	.95
16	32	.05	20	.00	22	.00	28	1.2	44	30	22	.95
17	48	.08	26	.00	25	.01	24	1.0	40	33	22	.89
18	45	.05	37	.01	25	.01	30	1.3	37	28	21	.79
19	36	.04	26	.00	27	.00	55	2.2	58	27	---	---
20	26	.06	22	.00	32	.00	56	2.0	54	8.9	---	---
21	20	.05	23	.00	34	.01	56	1.8	58	5.0	---	---
22	33	.07	18	.00	34	.01	57	8.3	44	2.7	---	---
23	46	.10	17	.00	31	.01	55	8.2	37	2.0	---	---
24	48	.06	19	.00	36	.00	55	6.1	35	1.6	---	---
25	35	.05	26	.02	44	.01	49	3.3	33	1.4	---	---
26	28	.07	25	.03	36	.01	48	2.3	36	1.8	---	---
27	35	.06	24	.04	28	.01	49	1.9	42	9.6	---	---
28	35	.05	22	.04	30	.01	50	1.8	42	13	---	---
29	30	.04	26	.05	38	.02	63	2.0	---	---	---	---
30	30	.03	28	.06	29	.02	52	1.8	---	---	---	---
31	45	.04	---	---	29	.06	36	6.4	---	---	---	---
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	110	.65	---	---	102	.33	---	.00
2	---	---	---	---	100	.57	---	---	76	.23	---	.00
3	---	---	---	---	90	.46	66	.57	90	.29	---	.00
4	---	---	---	---	86	.46	84	.68	86	.28	---	.00
5	---	---	---	---	80	.41	93	.73	122	.40	---	.00
6	---	---	60	1.2	84	.41	67	.49	118	.38	---	.00
7	---	---	98	1.7	96	.47	65	.46	120	.42	---	.00
8	49	2.6	136	2.3	106	.46	73	.47	96	.36	---	.00
9	50	2.2	96	1.6	90	.36	87	.56	75	.28	---	.00
10	49	1.9	81	1.2	94	.36	130	.77	85	.28	---	.00
11	48	1.6	102	1.3	97	.39	88	.48	90	.29	---	.00
12	41	1.3	76	.88	110	.48	65	.33	96	.34	---	.00
13	38	1.0	69	.76	116	.53	92	.47	95	.31	---	.00
14	45	1.2	73	.85	89	.38	108	.50	104	.34	---	.00
15	44	1.2	81	.87	86	.44	102	.47	85	.28	---	.00
16	34	.82	60	.63	100	.62	112	.51	114	.34	---	.00
17	36	35	78	.69	114	.65	98	.48	95	.26	---	.00
18	59	22	86	.70	107	.58	118	.54	105	.31	---	.00
19	66	8.2	94	.74	116	.60	112	.51	115	.31	---	.00
20	62	171	76	.62	122	.59	97	.42	102	.25	161	.17
21	59	174	82	.91	112	.60	115	.43	78	.17	160	.22
22	52	122	75	.87	110	.48	118	.41	95	.19	166	.13
23	24	42	96	.96	94	.33	87	.28	101	.18	195	.11
24	18	21	88	.74	93	.43	93	.28	110	.18	194	.05
25	27	19	83	.69	---	---	116	.31	100	.15	189	.05
26	14	8.9	86	.65	---	---	104	.31	113	.11	217	.06
27	19	7.8	88	.69	---	---	88	.23	126	.10	411	.04
28	---	---	96	.67	---	---	111	.28	177	.10	426	.03
29	---	---	84	.52	---	---	114	.37	226	.09	416	.02
30	---	---	90	.51	---	---	82	.24	286	.03	396	.01
31	---	---	96	.57	---	---	105	.31	344	.00	---	---

07352895 BLACK LAKE BAYOU NEAR CLARENCE, LA

LOCATION.--Lat 31°52'24", long 92°58'00", in NW1/4SE1/4 sec.3, T.10 N., R.6 W., Natchitoches Parish, Hydrologic Unit 11140209, on downstream side of bridge on parish road, 1.8 mi (2.9 km) northeast of Chivery Dam, 2.8 mi (4.5 km) upstream from Allen Dam, and 5.0 mi (8.0 km) northeast of Clarence.

DRAINAGE AREA.--908 mi^2 or 2,352 km^2 (see REMARKS).

PERIOD OF RECORD.--December 1969 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 88.49 ft (26.972 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980, at datum 6.00 ft (1.829 m) higher.

REMARKS.--Drainage area does not include 412 mi^2 (1,067 km^2) of Saline Lake. Flows are interchangeable between Black and Saline Lakes, combined usable capacity, 161,000 acre-ft (198 hm^3). Considerable regulation by Allen and Chivery Dams. Lakes are used for recreation. No gage-heights recorded below 1.20 ft (0.366 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.88 ft or 5.755 m (present datum) Jan. 30, 1974; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.04 ft (3.975 m) Apr. 26,; minimum not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.22	9.34	9.32	2.56	---	8.16	10.42	12.51	9.85	9.63	---	9.06
2	9.22	9.36	9.30	2.04	1.97	8.27	10.41	12.35	9.79	9.63	---	9.04
3	9.18	9.36	9.28	1.60	2.22	8.38	10.42	12.18	9.77	9.62	---	9.08
4	9.14	9.36	9.32		2.39	8.48	10.38	12.01	9.72	9.62	---	9.06
5	9.16	9.36	9.30		2.62	8.57	10.36	11.86	9.69	9.60	---	9.03
6	9.16	9.36	9.28		2.88	8.70	10.31	11.70	9.63	9.60	---	9.01
7	9.26	9.34	9.30		3.04	8.80	10.30	11.60	9.62	---	---	9.00
8	9.32	9.32	9.30		3.25	8.86	10.28	11.45	9.59	---	---	8.98
9	9.32	9.36	9.30		3.60	8.96	10.28	11.32	9.54	---	---	8.95
10	9.36	9.36	9.30		3.78	9.05	10.26	11.19	9.52	---	---	8.94
11	9.36	9.34	9.28		3.96	9.15	10.25	11.06	9.49	---	---	8.92
12	9.36	9.32	9.30		4.17	9.24	10.23	10.95	9.50	---	---	8.95
13	9.34	9.32	9.30		4.43	9.33	10.20	10.85	9.47	---	---	8.96
14	9.34	9.32	9.36		4.61	9.38	10.19	10.80	9.44	---	---	8.95
15	9.36	9.30	9.34		4.80	9.45	10.14	10.74	9.41	---	---	8.98
16	9.36	9.30	9.34		5.54	9.50	10.12	10.65	9.53	---	---	9.07
17	9.36	9.30	9.38		5.92	9.54	10.36	10.58	9.51	---	9.23	9.10
18	9.38	9.30	9.38		6.24	9.58	10.51	10.50	9.49	---	9.26	9.10
19	9.36	9.30	9.36		6.55	9.59	10.62	10.43	9.45	---	9.24	9.09
20	9.32	9.30	9.34		6.84	9.61	11.11	10.36	9.44	---	9.21	9.27
21	9.32	9.26	8.80		7.09	9.65	11.92	10.30	9.48	---	9.19	9.31
22	9.30	9.26	8.04		7.28	9.89	12.52	10.25	9.51	---	9.18	9.29
23	9.34	9.24	7.40		7.41	9.91	12.79	10.18	9.49	---	9.19	9.27
24	9.32	9.26	6.76		7.52	9.99	12.91	10.16	9.46	---	9.18	9.29
25	9.30	9.24	6.14		7.60	10.05	13.00	10.11	9.44	---	9.15	9.31
26	9.38	9.26	5.54		7.79	10.13	13.03	10.09	9.44	---	9.13	9.30
27	9.34	9.26	4.96		7.96	10.20	12.96	10.04	9.57	---	9.10	9.30
28	9.34	9.26	4.64	---	8.05	10.30	12.88	10.00	9.57	---	9.08	9.32
29	9.32	9.26	4.08	---	---	10.34	12.80	9.95	9.63	---	9.11	9.34
30	9.32	9.28	3.52	---	---	10.37	12.66	9.92	9.65	---	9.09	9.35
31	9.32	---	3.06	---	---	10.41	---	9.88	---	---	9.07	---
MAX	9.38	9.36	9.38	2.56	8.05	10.41	13.03	12.51	9.85	9.63	---	9.35
MIN	9.14	9.24	3.06	---	---	8.16	10.12	9.88	9.41	---	9.07	8.92

NOTE.--No gage-height record Jan. 28 to Feb. 1, July 7 to Aug. 16.

07353000 SALINE BAYOU NEAR CLARENCE, LA

LOCATION.--Lat 31°49'05", long 92°56'55", in NW1/4SE1/4 sec.26, T.10 N., R.6 W., Natchitoches-Winn Parish line, Hydrologic Unit 11140208, near center of span on downstream side of bridge on U.S. Highway 84, 1.8 mi (2.9 km) downstream from Bayou Bourbeaux, 4.0 mi (6.4 km) downstream from Allen Dam, 4.6 mi (7.4 km) east of Clarence, and 6.7 mi (10.8 km) upstream from mouth.

DRAINAGE AREA.--1,386 mi^2 (3,590 km^2).

PERIOD OF RECORD.--October 1949 to December 1973. January 1974 to September 1982 (gage heights only, discontinued).

GAGE.--Water-stage recorder. Datum of gage is 72.75 ft (22.174 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Nov. 2, 1954, non recording gage at same site and datum. Water-stage recorder for Black Lake Bayou near Clarence (station 07352895) used as supplementary gage for this station December 1969 to December 1973. Prior to Nov. 3, 1954, auxiliary nonrecording gage; Nov. 3, 1954, to Dec. 3, 1969, auxiliary water-stage recorder; and Mar. 1 to Dec. 31, 1975, auxiliary nonrecording gage 5.3 mi (8.5 km) downstream at datum 72.97 ft (22.241 m) National Geodetic Vertical Datum of 1929.

AVERAGE DISCHARGE.--24 years (water years 1950-73), 1,182 ft^3/s (33.47 m^3/s), 856,400 acre-ft/yr (1.06 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,200 ft^3/s (402 m^3/s) May 19, 1953; maximum daily reverse flow, 6,570 ft^3/s (186 m^3/s) May 11, 1958 (backwater from Red River); maximum gage height, 40.46 ft (12.332 m) May 21, 1953; minimum discharge (unaffected by backwater), 0.75 ft ^{3}/s (0.021 m^3/s) Oct. 12, 22, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1944 reached a stage of 43.6 ft (13.29 m), from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.71 ft (7.227 m) June 22; minimum, 1.81 ft (0.552 m) Oct. 5.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.89	19.89	8.63	11.16	9.42	9.23	8.46	14.63	20.98	22.73	---	3.96
2	1.88	19.94	8.46	10.67	9.40	8.06	8.51	13.96	20.50	22.72	---	3.87
3	1.87	20.10	8.25	10.23	9.68	8.80	8.72	13.23	20.35	22.53	---	3.85
4	1.85	20.12	8.07	9.81	13.25	9.80	8.72	12.48	20.46	21.81	---	3.76
5	1.81	20.70	7.88	9.24	15.56	11.33	8.71	11.81	20.87	20.94	---	3.61
6	1.95	21.22	8.16	8.76	16.57	11.82	8.79	11.22	21.18	21.11	---	3.57
7	2.34	21.58	9.67	8.32	17.23	11.80	8.93	10.82	21.46	---	---	3.55
8	2.64	21.07	10.33	7.92	17.51	11.56	9.23	10.33	21.55	---	---	3.28
9	2.81	20.33	10.05	7.49	17.85	11.04	10.18	9.79	21.88	---	---	2.90
10	3.18	19.98	9.21	7.15	17.81	10.75	10.25	9.27	21.70	---	---	2.74
11	3.24	19.91	8.24	6.80	17.43	10.67	9.84	8.80	21.65	---	---	2.70
12	3.28	19.71	7.36	6.48	16.70	10.62	9.37	8.33	21.82	---	---	2.84
13	3.04	19.43	6.68	6.89	15.72	10.26	8.63	7.96	22.13	---	---	2.76
14	2.57	19.62	6.45	6.69	14.97	10.04	7.97	7.91	22.21	---	---	2.68
15	2.53	19.46	6.05	6.65	14.12	9.80	7.58	7.71	22.24	---	---	2.55
16	2.50	18.10	5.70	6.68	14.33	9.11	7.02	7.53	22.32	---	---	2.52
17	2.49	16.56	5.59	5.18	13.53	8.56	7.70	15.02	22.37	---	6.22	2.49
18	3.15	15.34	5.27	5.58	12.97	8.30	8.35	18.22	22.60	---	6.11	2.47
19	4.35	14.34	5.02	5.90	12.41	8.29	8.74	19.76	22.71	---	6.09	2.46
20	12.26	13.45	4.81	6.01	12.00	8.74	10.82	19.72	22.78	---	5.91	2.73
21	15.73	12.63	12.66	5.96	11.57	9.26	15.89	18.26	23.35	---	5.64	3.01
22	17.65	11.76	14.95	6.77	11.41	11.05	18.09	17.33	23.66	---	5.47	2.85
23	18.79	11.12	15.25	6.08	11.69	11.46	18.66	17.76	23.19	---	5.40	2.73
24	19.06	10.80	14.61	5.61	11.89	11.24	18.75	18.68	22.64	---	5.18	2.67
25	19.28	10.51	14.36	5.27	11.46	10.36	18.62	19.15	22.36	---	4.97	2.75
26	19.47	10.16	13.94	5.25	10.67	9.34	18.03	19.50	22.39	---	4.93	2.90
27	19.85	9.77	13.52	5.42	10.25	8.58	17.33	19.84	22.52	---	4.79	3.03
28	19.86	9.43	12.65	5.89	9.81	8.56	16.52	20.37	22.65	---	4.41	3.09
29	19.63	9.19	12.34	7.55	---	8.60	15.90	20.58	22.80	---	4.22	3.00
30	19.69	8.82	11.91	8.87	---	8.48	15.28	20.99	22.74	---	4.12	2.87
31	19.81	---	11.60	9.46	---	8.51	---	21.12	---	---	4.01	---
MAX	19.86	21.58	15.25	11.16	17.85	11.82	18.75	21.12	23.66	22.73	---	3.96
MIN	1.81	8.82	4.81	5.18	9.40	8.29	7.02	7.53	20.35	---	4.01	2.46

NOTE.--No gage-height record July 7 to Aug. 16.

07353520 NANTACHIE LAKE NEAR ALOHA, LA

LOCATION.--Lat 31°37'00", long 92°47'04", in SE1/4NW1/4 sec.4, T.7 N., R.4 W., Grant Parish, Hydrologic Unit 11140207, at dam 2.0 mi (3.2 km) upstream from mouth, and 2.5 mi (4.0 km) northwest of Aloha.

DRAINAGE AREA.--80.4 mi^2 (208.2 km^2).

PERIOD OF RECORD.--February 1969 to September 1979. October 1979 to current year (gage heights only).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 92.28 ft (28.127 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed on Nantachie Creek by earthfill dam, completed in 1964. Storage began Oct. 19, 1964. The dam contains a 150-ft (46-m) concrete spillway. The crest of the spillway is 3.05 ft (0.930 m) gage height. Drawdown structure consists of one 5- by 5-ft (1.5- by 1.5-m) metal sluice gate that can be varied from -16.78 to -11.78 ft (-5.115 to -3.591 m) gage height. Area of lake is 1,580 acres (640 hm^2), usable capacity, 11,200 acre-ft (13.8 hm^3) at 3.05 ft (0.930 m) gage height. Reservoir is used for recreation.

AVERAGE DISCHARGE.--9 years (water years 1970-72, 1974-79), 72.6 ft^3/s (2.056 m^3/s), 52,600 acre-ft/yr (64.9 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,470 ft^3/s (268 m^3/s) Apr. 13, 1974, gage height, 9.12 ft (2.780 m); no flow at times most years. Reverse flow possible May 1973.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.52 ft (1.378 m) Apr. 22; minimum, 2.43 ft (0.741 m) Nov. 25, 26, 28, 29.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.57	2.50	2.52	2.52	2.89	3.23	3.22	3.43	3.04	2.98	---	2.91
2	2.56	2.56	2.51	2.52	2.91	3.22	3.21	3.40	3.01	2.97	---	2.89
3	2.53	2.56	2.50	2.53	2.93	3.20	3.20	3.37	2.99	2.95	---	2.92
4	2.51	2.56	2.50	2.60	2.93	3.19	3.18	3.33	2.97	2.94	---	2.90
5	2.50	2.55	2.48	2.59	2.93	3.18	3.16	3.31	2.96	2.92	---	2.88
6	2.49	2.55	2.47	2.58	2.96	3.17	3.15	3.28	2.94	2.89	---	2.85
7	2.56	2.54	2.47	2.59	2.96	3.19	3.12	3.28	2.92	2.87	---	2.84
8	2.59	2.53	2.47	2.60	2.95	3.17	3.10	3.25	2.90	2.87	---	2.82
9	2.58	2.56	2.46	2.58	3.05	3.16	3.11	3.23	2.88	2.85	---	2.80
10	2.62	2.55	2.46	2.58	3.06	3.15	3.10	3.20	2.87	---	---	2.78
11	2.61	2.54	2.44	2.56	3.06	3.15	3.10	3.18	2.85	---	---	2.76
12	2.60	2.53	2.44	2.56	3.07	3.14	3.09	3.16	2.86	---	---	2.93
13	2.59	2.53	2.44	2.65	3.09	3.14	3.07	3.15	2.84	---	---	2.92
14	2.58	2.52	2.46	2.67	3.08	3.14	3.08	3.20	2.83	---	---	2.95
15	2.58	2.51	2.46	2.68	3.08	3.14	3.08	3.25	2.81	---	---	2.94
16	2.58	2.51	2.46	2.69	3.25	3.13	3.07	3.22	2.81	---	---	2.94
17	2.58	2.50	2.48	2.71	3.29	3.13	3.18	3.20	2.86	---	3.06	2.93
18	2.60	2.50	2.48	2.70	3.29	3.12	3.29	3.17	2.86	---	3.06	2.92
19	2.56	2.50	2.46	2.71	3.28	3.11	3.36	3.15	2.84	---	3.08	2.91
20	2.54	2.49	2.45	2.72	3.25	3.11	3.39	3.14	2.83	---	3.09	3.06
21	2.52	2.47	2.45	2.73	3.23	3.10	3.91	3.12	2.85	---	3.09	3.27
22	2.52	2.46	2.47	2.73	3.20	3.24	4.48	3.11	2.91	---	3.08	3.23
23	2.55	2.45	2.50	2.76	3.18	3.34	4.39	3.09	2.91	---	3.06	3.18
24	2.52	2.45	2.49	2.76	3.16	3.44	4.12	3.08	2.89	---	3.04	3.15
25	2.51	2.44	2.48	2.75	3.16	3.48	3.99	3.07	2.88	---	3.02	3.13
26	2.55	2.43	2.48	2.76	3.15	3.43	3.85	3.11	2.87	---	3.01	3.11
27	2.53	2.45	2.48	2.75	3.22	3.36	3.72	3.10	2.89	---	2.98	3.08
28	2.51	2.44	2.48	2.75	3.22	3.33	3.63	3.09	2.89	---	2.97	3.07
29	2.51	2.43	2.48	2.75	---	3.29	3.56	3.07	2.96	---	2.96	3.06
30	2.50	2.47	2.47	2.75	---	3.25	3.48	3.06	2.96	---	2.95	3.05
31	2.50	---	2.50	2.88	---	3.24	---	3.05	---	---	2.93	---
MAX	2.62	2.56	2.52	2.88	3.29	3.48	4.48	3.43	3.04	2.98	---	3.27
MIN	2.49	2.43	2.44	2.52	2.89	3.10	3.07	3.05	2.81	---	2.93	2.76

NOTE.--No gage-height record July 10 to Aug. 16.

07354100 KISATCHIE BAYOU AT LOTUS, LA
(Formerly published as Kisatchie Bayou near Bellwood)

LOCATION.--Lat 31°29'04", long 93°08'19", NW1/4SE1/4 sec. 24, T. 6 N., R. 8 W., Natchitoches Parish, Hydrologic Unit 11140207, at right bank on downstream side of bridge on unnumbered parish road, 0.5 mi (0.8 km) west of Lotus, 1.2 mi (1.9 km) downstream from Sheard Branch, and 4.8 mi (7.7 km) southeast of Bellwood.

DRAINAGE AREA.--140 mi^2 (363 km^2).

PERIOD OF RECORD.--Occasional low-flow measurements water years 1956-63 (published as "near Bellwood"). December 1979 to current year. Gage-height records and discharge measurements December 1938 to July 1942 and January 1956 to September 1979 are in reports of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of gage is 123.57 ft (37.664 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to January 1956 at datum 1.24 ft (0.378 m) higher.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1939, reached a stage of 19.3 ft (5.88 m), present datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,950 ft^3/s (197 m^3/s) revised, Mar. 28, 1980, gage height, 16.15 ft (4.923 m); minimum, 3.0 ft^3/s (0.085 m^3/s) Sept. 21, 22, 23, 24, 25, 26, 1980, Oct. 6, 1981; minimum gage height, 1.94 ft (0.591 m) Oct. 6, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,470 ft^3/s (70.0 m^3/s), gage height 13.48 ft (4.109 m), Apr. 21; minimum, 3.0 ft^3/s (0.085 m^3/s) Oct. 6, gage height, 1.94 ft (0.591 m).

REVISIONS.--The maximum discharge for the water year 1980 has been revised to 6,950 ft^3/s (197 m^3/s) Mar. 28, 1980, gage height, 16.15 ft (4.923 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	6.5	22	18	115	66	230	60	19	125	23	5.5
2	3.3	7.5	24	18	49	49	102	54	19	52	16	5.6
3	3.2	7.8	17	16	33	40	73	48	18	30	11	5.4
4	3.1	7.8	12	17	29	36	70	43	17	23	9.5	4.8
5	3.2	7.1	9.4	26	25	33	48	39	17	19	8.6	4.4
6	3.6	6.4	8.3	22	24	33	36	36	16	17	9.7	4.2
7	4.2	5.8	8.0	15	30	72	29	34	15	15	55	3.8
8	9.2	5.7	7.7	12	30	74	25	33	15	14	99	3.7
9	12	7.0	7.3	10	106	46	23	30	14	14	76	3.5
10	11	10	7.4	9.1	119	36	23	28	14	13	24	3.5
11	9.0	11	7.1	8.1	59	32	25	26	14	12	18	3.9
12	7.1	9.5	6.9	11	37	30	24	25	13	37	57	5.9
13	6.5	7.9	6.9	30	29	28	22	26	13	16	135	7.0
14	6.5	7.0	7.1	49	25	26	20	107	13	13	23	5.4
15	10	6.6	7.5	44	26	25	19	232	13	15	15	4.7
16	8.1	6.2	9.1	50	939	24	18	87	14	14	12	6.0
17	10	6.0	9.6	54	401	23	579	46	18	12	17	6.3
18	15	5.9	8.9	34	136	21	496	35	19	11	13	5.0
19	15	5.7	8.8	25	82	20	147	441	17	10	10	4.3
20	11	5.6	8.9	20	60	18	133	102	14	10	8.9	4.5
21	8.6	5.3	10	18	49	18	1770	55	15	11	7.9	6.0
22	7.1	5.3	11	17	42	18	966	40	40	11	7.2	5.3
23	6.4	5.3	12	16	37	19	464	33	80	9.3	6.6	4.9
24	6.0	5.5	11	15	32	21	210	30	31	8.5	6.2	4.5
25	6.6	5.7	10	14	30	22	508	28	21	8.1	5.8	4.2
26	7.2	5.8	9.1	13	37	20	340	27	17	9.5	5.5	3.9
27	8.4	6.2	8.6	12	203	19	219	28	19	9.6	5.1	3.7
28	8.3	6.3	8.2	12	119	22	125	25	196	9.0	4.9	3.5
29	7.1	6.7	7.9	11	---	29	91	23	595	13	5.0	3.3
30	6.4	10	7.5	12	---	26	72	22	116	18	5.3	3.1
31	6.0	---	10	77	---	569	---	20	---	14	6.1	---
TOTAL	232.2	205.1	309.2	705.2	2903	1515	6907	1863	1442	593.0	706.3	139.8
MEAN	7.49	6.84	9.97	22.7	104	48.9	230	60.1	48.1	19.1	22.8	4.66
MAX	15	11	24	77	939	569	1770	441	595	125	135	7.0
MIN	3.1	5.3	6.9	8.1	24	18	18	20	13	8.1	4.9	3.1
CFSM	.05	.05	.07	.16	.74	.35	1.64	.43	.34	.14	.16	.03
IN.	.06	.05	.08	.19	.77	.40	1.84	.50	.38	.16	.19	.04
AC-FT	461	407	613	1400	5760	3010	13700	3700	2860	1180	1400	277

CAL YR 1981 TOTAL 15775.0 MEAN 43.2 MAX 1950 MIN 3.1 CFSM .31 IN 4.19 AC-FT 31290
WTR YR 1982 TOTAL 17520.8 MEAN 48.0 MAX 1770 MIN 3.1 CFSM .34 IN 4.66 AC-FT 34750

07354100 KISATCHIE BAYOU AT LOTUS, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.95	2.14	2.56	2.47	4.09	3.46	5.32	3.39	2.56	4.29	2.61	2.32
2	1.97	2.16	2.60	2.48	3.19	3.20	3.93	3.28	2.56	3.39	2.67	2.32
3	1.96	2.19	2.45	2.42	2.90	3.05	3.56	3.18	2.54	3.01	2.51	2.32
4	1.95	2.19	2.32	2.44	2.81	2.96	3.52	3.10	2.52	2.85	2.45	2.29
5	1.96	2.17	2.25	2.64	2.73	2.90	3.19	3.03	2.50	2.76	2.41	2.27
6	1.99	2.14	2.21	2.56	2.71	2.91	2.97	2.96	2.48	2.70	2.44	2.26
7	2.03	2.12	2.20	2.42	2.84	3.52	2.81	2.93	2.47	2.65	3.30	2.24
8	2.24	2.11	2.19	2.35	2.84	3.56	2.73	2.90	2.45	2.61	3.97	2.23
9	2.33	2.17	2.18	2.30	3.91	3.15	2.69	2.85	2.44	2.61	3.70	2.22
10	2.30	2.27	2.18	2.27	4.14	2.97	2.68	2.80	2.43	2.58	2.87	2.22
11	2.23	2.30	2.17	2.24	3.35	2.88	2.73	2.76	2.42	2.54	2.71	2.25
12	2.17	2.25	2.16	2.33	2.98	2.84	2.71	2.72	2.41	3.10	3.45	2.37
13	2.14	2.20	2.16	2.74	2.82	2.80	2.66	2.74	2.40	2.68	4.34	2.42
14	2.15	2.17	2.18	3.10	2.72	2.76	2.61	3.90	2.39	2.56	2.91	2.34
15	2.28	2.15	2.19	3.02	2.75	2.73	2.58	5.36	2.38	2.63	2.70	2.30
16	2.20	2.13	2.24	3.13	9.10	2.70	2.55	3.74	2.43	2.60	2.59	2.36
17	2.28	2.12	2.25	3.20	6.59	2.67	6.71	3.14	2.56	2.55	2.73	2.40
18	2.41	2.12	2.23	2.87	4.35	2.63	7.18	2.94	2.58	2.51	2.63	---
19	2.39	2.11	2.23	2.70	3.68	2.59	4.47	6.63	2.52	2.46	2.52	---
20	2.30	2.11	2.23	2.61	3.37	2.55	4.25	3.93	2.44	2.48	2.47	---
21	2.22	2.09	2.27	2.56	3.21	2.55	12.00	3.30	2.47	2.50	2.43	---
22	2.17	2.09	2.30	2.52	3.08	2.55	9.61	3.04	3.01	2.48	2.40	---
23	2.14	2.09	2.32	2.49	2.98	2.58	7.09	2.91	3.63	2.44	2.37	---
24	2.12	2.10	2.30	2.46	2.89	2.64	5.16	2.85	2.86	2.40	2.35	---
25	2.15	2.11	2.27	2.42	2.84	2.64	7.34	2.80	2.61	2.39	2.33	---
26	2.17	2.11	2.24	2.38	2.97	2.60	6.33	2.77	2.52	2.45	2.31	---
27	2.21	2.13	2.22	2.36	5.07	2.57	5.24	2.79	2.55	2.45	2.30	---
28	2.21	2.14	2.21	2.35	4.14	2.66	4.22	2.73	3.93	2.42	2.29	---
29	2.17	2.15	2.20	2.34	---	2.82	3.79	2.68	7.35	2.58	2.29	---
30	2.14	2.27	2.19	2.37	---	2.74	3.55	2.64	4.20	2.71	2.30	---
31	2.12	---	2.26	3.48	---	7.26	---	2.60	---	2.60	2.35	---
MAX	2.41	2.30	2.60	3.48	9.10	7.26	12.00	6.63	7.35	4.29	4.34	2.42
MIN	1.95	2.09	2.16	2.24	2.71	2.55	2.55	2.60	2.38	2.39	2.29	

07354950 RED RIVER AT COLFAX, LA (CE 04450)

LOCATION.--Lat 31°30'58", long 92°43'13", in lot 38, T.6 N., R.3 W., Grant Parish, Hydrologic Unit 11140207, at mouth of Cane River, 0.3 mi (0.5 km) west of Colfax, and at mile 140.5 (226.1 km).

DRAINAGE AREA.--66,860 mi^2 (173,167 km^2), of which 5,936 mi^2 (15,374 km^2) above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1975 to current year.
CHLORIDE: October 1974 to current year.
SUSPENDED-SEDIMENT CONCENTRATIONS: December 1975 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 11, 1978; minimum daily, 2.0°C Jan. 21, 1977.
CHLORIDE: Maximum daily, 400 mg/L June 29, 1978; minimum daily, 14 mg/L May 13, 1975, Apr. 6, 1977, May 24, 1982.
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily, 4,940 mg/L Mar. 25, 1977; minimum daily, 31 mg/L July 14, 1977.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 31.0°C on many days during Aug. and Sept.; Minimum daily, 4.0°C Jan. 14-18.
CHLORIDE: Maximum daily, 240 mg/L Nov. 4; minimum daily, 14 mg/L May 24.
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily, 3560 mg/L May 21; minimum daily, 40 mg/L Oct. 1.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0	17.0	14.0	9.0	10.0	10.0	19.0	22.0	25.0	28.0	30.0	31.0
2	26.0	17.0	14.0	10.0	10.0	11.0	19.0	22.0	25.0	28.0	31.0	31.0
3	26.0	17.0	14.0	11.0	10.0	11.0	19.0	22.0	26.0	28.0	31.0	31.0
4	25.0	17.0	14.0	10.0	9.0	12.0	19.0	23.0	26.0	28.0	31.0	30.0
5	25.0	17.0	14.0	11.0	8.0	12.0	20.0	24.0	26.0	28.0	31.0	29.0
6	25.0	17.0	14.0	12.0	7.0	12.0	19.0	24.0	26.0	28.0	31.0	28.0
7	24.0	17.0	13.0	12.0	6.0	11.0	18.0	23.0	27.0	29.0	30.0	28.0
8	23.0	17.0	13.0	10.0	6.0	10.0	17.0	23.0	27.0	29.0	31.0	28.0
9	22.0	17.0	13.0	9.0	6.0	12.0	17.0	23.0	27.0	29.0	30.0	28.0
10	22.0	17.0	12.0	9.0	5.0	13.0	16.0	23.0	27.0	29.0	31.0	28.0
11	22.0	17.0	12.0	9.0	5.0	13.0	16.0	24.0	27.0	29.0	31.0	28.0
12	22.0	16.0	12.0	6.0	5.0	13.0	16.0	24.0	27.0	29.0	31.0	27.0
13	22.0	16.0	12.0	5.0	5.0	14.0	17.0	24.0	27.0	29.0	30.0	28.0
14	22.0	15.0	11.0	4.0	6.0	15.0	18.0	24.0	27.0	29.0	30.0	28.0
15	22.0	15.0	11.0	4.0	7.0	17.0	19.0	24.0	27.0	29.0	30.0	29.0
16	22.0	15.0	10.0	4.0	8.0	17.0	20.0	24.0	27.0	29.0	30.0	30.0
17	23.0	15.0	10.0	4.0	9.0	18.0	21.0	24.0	27.0	29.0	30.0	30.0
18	23.0	16.0	9.0	4.0	10.0	20.0	21.0	22.0	27.0	29.0	30.0	30.0
19	23.0	17.0	8.0	6.0	10.0	21.0	22.0	22.0	27.0	29.0	30.0	30.0
20	23.0	15.0	8.0	8.0	10.0	21.0	22.0	23.0	27.0	29.0	31.0	28.0
21	21.0	15.0	11.0	12.0	11.0	21.0	18.0	22.0	27.0	30.0	31.0	27.0
22	21.0	15.0	12.0	12.0	11.0	21.0	18.0	24.0	27.0	30.0	31.0	25.0
23	20.0	14.0	11.0	11.0	12.0	19.0	18.0	25.0	27.0	30.0	31.0	25.0
24	18.0	14.0	10.0	9.0	13.0	18.0	18.0	25.0	27.0	30.0	31.0	25.0
25	18.0	15.0	10.0	10.0	13.0	18.0	19.0	25.0	27.0	30.0	31.0	25.0
26	18.0	15.0	9.0	10.0	12.0	17.0	18.0	25.0	27.0	30.0	31.0	24.0
27	17.0	15.0	8.0	10.0	11.0	17.0	18.0	25.0	27.0	30.0	31.0	24.0
28	17.0	15.0	9.0	11.0	10.0	16.0	19.0	25.0	27.0	30.0	31.0	24.0
29	17.0	15.0	9.0	11.0	---	15.0	20.0	25.0	27.0	30.0	31.0	24.0
30	17.0	15.0	9.0	11.0	---	17.0	22.0	25.0	28.0	30.0	31.0	24.0
31	17.0	---	9.0	11.0	---	17.0	---	---	---	30.0	31.0	---

07354950 RED RIVER AT COLFAX, LA (CE 04450)--Continued

CHLORIDE, DISSOLVED (MG/L AS CL), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	200	170		98	42	38	44	44	34	54	74	120
2	140	190		98	44	36	65	46	35	54	80	110
3	160	170		110	45	65	55	37	35	48	75	130
4	130	240		110	47	93	42	43	42	48	65	150
5	130	180		110	30	36	65	50	42	46	72	130
6	130	180		120	42	50	55	61	56	50	74	100
7	160	120		110	24	48	57	60	58	48	72	110
8	170	120		110	22	50	65	48	62	60	80	120
9	200	120		110	20	41	58	72	66	62	65	110
10	220	130		110	18	37	60	70	70	64	55	120
11	180	120		120	30	34	50	70	66	72	50	110
12	190	130		110	22	32	47	76	68	66	50	100
13	170	100		100	26	32	65	76	73	69	49	94
14	170	100		96	25	32	41	80	78	69	50	86
15	180	90		78	25	32	40	78	78	66	57	95
16	180	88		74	24	35	38	80	71	78	58	100
17	180	81		72	25	26	30	30	73	70	70	99
18	150	80		78	26	34	31	30	68	76	88	100
19	200	74		84	43	46	34	24	75	76	84	89
20	140	66		77	28	35	22	21	56	80	82	86
21	38	69		90	48	32	37	21	58	74	90	90
22	38	66		100	44	33	38	24	42	62	81	96
23	170	66		100	38	35	40	17	40	62	88	100
24	130	71		96	40	34	40	14	44	62	88	110
25	180	74		100	36	30	45	29	46	60	92	110
26	140	90		110	40	26	38	50	58	61	110	98
27	130	92		92	46	26	40	59	58	76	93	88
28	130	98		95	46	28	44	58	62	74	93	91
29	140	110		80	---	34	42	61	58	76	93	90
30	140	84		82	---	36	41	62	54	77	90	110
31	150	---		84	---	49	---	50	---	78	90	---

SEDIMENT, SUSPENDED CONCENTRATION (MG/L), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	1030		203	503	480	326	250	1150	951	420	111
2	90	1440		201	398	346	273	281	999	713	357	87
3	81	1470		144	1190	568	326	257	687	779	51	93
4	58	1070		166	368	529	334	159	1130	815	288	103
5	68	1390		159	2020	570	295	181	1280	882	168	60
6	65	1730		180	2630	648	334	227	894	881	273	124
7	83	686		213	2380	583	312	107	946	810	280	76
8	101	650		155	2020	599	341	159	1120	862	371	69
9	122	1030		156	1930	640	308	124	858	772	337	77
10	106	1200		139	1900	488	325	270	957	791	202	60
11	128	1250		166	1460	358	344	229	1300	812	116	71
12	116	999		180	1400	395	356	308	864	772	78	111
13	94	999		165	995	546	270	237	910	1250	93	70
14	196	984		165	817	459	235	185	935	1000	358	91
15	121	989		185	987	332	267	225	1170	993	181	86
16	156	1010		121	828	282	164	259	903	692	98	91
17	145	926		190	672	304	311	3040	968	595	136	200
18	604	925		214	443	219	338	3080	1110	728	108	182
19	120	949		242	456	338	254	3390	965	918	74	226
20	1320	910		201	420	294	219	2450	1080	712	75	162
21	1870	644		286	375	395	922	3560	1090	785	111	171
22	2010	657		267	350	475	447	1360	476	678	79	132
23	2610	581		228	404	349	219	1250	530	668	81	70
24	2020	593		150	415	345	205	1440	532	650	156	94
25	1740	588		172	493	374	238	1530	650	856	93	118
26	1480	866		165	457	281	220	1510	888	760	239	105
27	1650	420		167	452	296	244	1170	839	386	101	144
28	1990	378		155	364	345	184	1330	852	551	106	85
29	1390	350		403	---	330	149	1420	932	288	122	94
30	1590	387		382	---	380	133	1270	644	366	65	43
31	1280	---		480	---	297	---	641	---	297	92	---

07355130 RED RIVER AT BOYCE, LA (CE 04525)

LOCATION.--Lat 31°23'38", long 92°40'02", T.5 N., R.3 W., Grant-Rapides Parish line, Hydrologic Unit 11140207, near center of span on downstream side of bridge on State Highway 8, 0.2 mi (0.3 km) northwest of Boyce, and at mile 135.0 (217.2 km).

DRAINAGE AREA.--66,998 mi^2 (173,525 km^2), of which 5,936 mi^2 (15,374 km^2) above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1973 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 16...	0730	1000	7.7	23.0	20	35	<1.0	8.3	32	2.5	K550	K400
NOV 19...	0915	478	7.7	16.5	30	250	<1.0	8.9	44	1.9	12000	1200
DEC 10...	0830	515	7.4	11.5	20	150	<1.0	9.7	<10	1.2	2300	800
JAN 04...	1415	603	7.5	11.0	15	45	<1.0	9.8	32	1.1	6200	K1300
FEB 08...	1400	246	8.0	7.5	70	320	<1.0	13.8	170	7.6	8000	1100
MAR 19...	0915	282	7.0	20.0	40	55	<1.0	10.2	24	1.6	K6000	230
APR 06...	0930	392	7.1	17.0	20	50	<1.0	8.2	24	1.2	6000	440
MAY 17...	1715	573	7.2	25.0	40	260	<1.0	6.1	11	1.6	700	--
JUN 07...	1630	434	7.1	26.5	50	250	<1.0	6.3	67	1.5	K350	K50
JUL 06...	1220	355	7.1	29.0	30	190	<1.0	6.4	15	1.2	K600	K65
AUG 02...	1800	564	7.4	29.5	20	100	<1.0	6.1	44	.2	--	80
SEP 08...	0930	767	7.8	28.0	20	10	<1.0	7.6	14	4.3	K53	K20

DATE	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT 16...	210	56	17	121	110	170	56	.02	.02	.04	.56	.13
NOV 19...	110	33	7.1	77	43	69	168	.30	.08	.38	.68	.28
DEC 10...	130	38	8.1	91	51	72	138	.32	.08	.40	.71	.10
JAN 04...	150	42	11	94	56	87	65	.29	.01	.30	.50	.08
FEB 08...	73	22	4.4	82	18	14	1160	.46	.08	.54	.80	.28
MAR 19...	82	25	4.7	61	28	26	162	.21	.03	.24	.26	.10
APR 06...	100	30	6.4	71	40	49	168	.07	.03	.10	.65	.13
MAY 17...	130	38	8.3	102	57	75	1890	.32	.03	.35	1.1	.25
JUN 07...	120	36	6.4	81	40	56	692	.33	.07	.40	.70	.19
JUL 06...	97	30	5.3	81	31	40	463	.16	.04	.20	.80	.24
AUG 02...	140	43	8.9	105	48	72	190	--	.03	<.10	1.4	.14
SEP 08...	220	62	16	145	69	100	25	--	.01	<.10	.70	.07

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07355130 RED RIVER AT BOYCE, LA (CE 04525)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)
OCT												
16...	3	3	<10	1	<1	2	10	<1	10	3	25	38
NOV												
19...	2	2	<10	1	1	1	20	<1	25	10	49	42
DEC												
10...	2	1	<10	<1	1	2	30	<1	14	1	76	28
JAN												
04...	1	1	<10	1	1	2	20	<1	9	3	20	10
FEB												
08...	2	1	<10	<1	1	2	50	<1	28	12	70	24
MAR												
19...	1	2	<10	<1	<1	<1	20	<1	12	4	99	9
APR												
06...	1	1	<10	<1	1	<1	20	<1	5	1	85	8
MAY												
17...	3	1	<10	<1	1	<1	30	<1	35	10	38	23
JUN												
07...	3	1	<10	<1	1	<1	10	<1	23	9	54	9
JUL												
06...	2	1	<10	<1	<1	<1	10	<1	23	7	22	24
AUG												
02...	3	2	<10	<1	1	<1	20	<1	11	6	7	12
SEP												
08...	2	2	<10	<1	1	<1	10	<1	5	5	8	8

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT												
16...	<1	.1	<.1	11	<1	<1	<1	--	40	4	6.4	<.01
NOV												
19...	<1	<.1	<.1	20	1	<1	<1	<.1	70	10	12	<.01
DEC												
10...	<1	.1	.1	12	2	<1	<1	1.0	70	7	8.9	<.01
JAN												
04...	4	<.1	<.1	6	4	<1	<1	1.0	50	6	6.4	<.01
FEB												
08...	2	.1	<.1	23	4	<1	<1	1.0	180	9	15	<.01
MAR												
19...	3	<.1	<.1	6	2	<1	<1	2.0	20	6	4.2	<.01
APR												
06...	2	<.1	<.1	4	3	<1	<1	<.1	10	9	6.6	<.01
MAY												
17...	8	.1	.1	46	<1	<1	<1	1.4	90	9	.6	<.01
JUN												
07...	3	.1	<.1	23	3	<1	<1	--	50	18	7.3	<.01
JUL												
06...	4	.2	<.1	20	2	<1	<1	1.8	70	12	8.8	<.01
AUG												
02...	<1	.1	<.1	12	2	<1	<1	<.1	70	9	10	<.01
SEP												
08...	<1	1.0	.1	5	2	<1	<1	2.9	10	<4	6.5	<.01

< Actual value is known to be less than the value shown.

07355130 RED RIVER AT BOYCE, LA (CE 04525)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 16...	<1	<1	<.1	<1	<.1	<1.	<.001	<.1	<.1	1.	<.001	1.0
NOV 19...	1	<1	<.1	--	<.1	-	<.001	--	<.1	-	<.001	--
DEC 10...	<1	<1	<.1	--	<.1	-	<.001	--	<.1	-	<.001	--
JAN 04...	<1	<1	<.1	<1	<.1	<1.	<.001	<.1	<.1	<1.	<.001	.7
FEB 08...	2	3	<.1	--	<.1	-	<.001	--	<.1	-	<.001	--
MAR 19...	<1	<1	<.1	--	<.1	-	<.001	--	<.1	-	<.001	--
APR 06...	3	<1	<.1	<1	<.1	<1.	<.001	<.1	<.1	<1.	<.001	1.1
MAY 17...	1	<1	<.1	--	<.1	-	<.001	--	<.1	-	<.001	--
JUN 07...	<1	<1	<.1	--	<.1	-	<.001	--	<.1	-	<.001	--
JUL 06...	<1	<1	<.1	<1	<.1	<1.	<.001	<.1	<.1	<1.	<.001	1.3
AUG 02...	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--
SEP 08...	1	<1	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--

DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 16...	<.001	1.3	<.001	.3	.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
NOV 19...	<.001	--	<.001	--	.01	--	<.001	--	<.001	--	<.001	--
DEC 10...	<.001	--	<.001	--	.01	--	<.001	--	<.001	--	<.001	--
JAN 04...	<.001	2.8	<.001	.2	.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
FEB 08...	<.001	--	<.001	--	.01	--	<.001	--	<.001	--	<.001	--
MAR 19...	<.001	--	<.001	--	.01	--	<.001	--	<.001	--	<.001	--
APR 06...	<.001	11	<.001	<.1	.04	<.1	<.001	<.1	<.001	<.1	<.001	<.1
MAY 17...	<.001	--	<.001	--	.02	--	<.001	--	<.001	--	<.001	--
JUN 07...	<.001	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
JUL 06...	<.001	4.3	<.001	2.5	.09	<.1	<.001	<.1	<.001	<.1	<.001	<.1
AUG 02...	<.001	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
SEP 08...	<.001	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--

< Actual value is known to be less than value shown.

07355130 RED RIVER AT BOYCE, LA (CE 04525)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)
OCT												
16...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1
NOV												
19...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
DEC												
10...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
JAN												
04...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1
FEB												
08...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
MAR												
19...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
APR												
06...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1
MAY												
17...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
JUN												
07...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
JUL												
06...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1
AUG												
02...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
SEP												
08...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--

DATE	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT												
16...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
NOV												
19...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	-	<.1	
DEC												
10...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	-	<.1	
JAN												
04...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
FEB												
08...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	-	<.1	--
MAR												
19...	<.01	--	<.01	--	<.01	--	<.01	--	<.1	-	<1	--
APR												
06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1.0	<1	<10
MAY												
17...	<.01	--	<.01	--	<.01	--	<.01	--	<.1	-	<1	--
JUN												
07...	<.01	--	<.01	--	<.01	--	<.01	--	<.1	-	<1	--
JUL												
06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1.0	<1	<10
AUG												
02...	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--	<1	--
SEP												
08...	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--	<1	--

< Actual value is known to be less than the value shown.

07355130 RED RIVER AT BOYCE, LA (CE 04525)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 16...	<.01	<.1	<.01	<.01	<.01	<.01
NOV 19...	<.01	--	.01	<.01	<.01	<.01
DEC 10...	<.01	--	.02	<.01	.01	<.01
JAN 04...	<.01	<.1	--	--	--	--
FEB 08...	<.01	--	<.01	<.01	<.01	<.01
MAR 19...	<.01	--	<.01	<.01	<.01	<.01
APR 06...	<.01	<.1	<.01	<.01	<.01	<.01
MAY 17...	<.01	--	.01	<.01	<.01	<.01
JUN 07...	<.01	--	.04	<.01	.01	<.01
JUL 06...	<.01	<.1	.03	<.01	.01	<.01
AUG 02...	<.01	--	.02	<.01	.01	<.01
SEP 08...	<.01	--	.02	<.01	.01	<.01

< Actual value is known to be less than the value shown.

07355433 LAKE BUHLOW ABOVE KANSAS CITY SOUTHERN RAILROAD BRIDGE (SITE 1), AT PINEVILLE, LA

LOCATION.--Lat 31°20'26", long 92°26'14", in NE1/2 sec. 16, T.4 N., R.1 W, Rapides Parish, Hydrologic Unit 08040301, 0.2 mi (0.3 km) northeast of Kansas City Southern railroad bridge, and 0.5 mi (0.8 km) northwest of high school.

DRAINAGE AREA.--Not Determined.

PERIOD OF RECORD.--February to September 1982.

REMARKS.--Samples were collected 0.5 feet below the water surface and 0.5 feet above the lake bottom.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

0.5 FEET BELOW THE WATER SURFACE

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
FEB 11...	0945	132	6.3	8.0	20	55	8.2	27	3.2	--	--	--
MAR 18...	1100	104	6.4	24.0	10	7.0	8.4	28	6.1	K300	<20	1900
APR 13...	1000	115	6.3	19.5	5	8.0	8.2	38	4.4	K140	K15	1400
MAY 14...	0940	110	6.5	23.0	10	4.0	6.0	79	4.1	K52	K6	2800
JUN 10...	0840	122	6.0	30.0	5	5.0	4.9	33	5.1	K28	K14	230
18...	0945	120	8.0	29.0	15	5.0	9.2	19	3.7	K80	K9	140
JUL 12...	1330	125	8.5	34.0	20	8.0	9.7	47	8.4	K32	K4	160
AUG 03...	0700	119	6.4	29.0	20	20	5.0	68	5.2	K1100	180	1200
SEP 07...	1300	119	7.1	29.5	30	15	10.5	42	12	100	K38	150

DATE	ALKA-LINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB 11...	29	82	41	.03	.37	.25	.56	.11	.10	17.1	4.16
MAR 18...	34	69	20	<.01	.02	.04	.54	.06	.02	13.2	<.100
APR 13...	31	76	33	<.01	<.10	.16	.74	.04	<.01	24.0	<.100
MAY 14...	32	73	32	.03	<.10	.19	.7	.06	.02	47.0	8.20
JUN 10...	37	74	20	.04	.12	.27	.6	.03	<.01	34.0	<.100
18...	38	83	21	<.01	<.10	.10	1.0	.04	.02	39.0	<.100
JUL 12...	38	90	15	.01	<.10	.14	.9	.02	<.01	48.0	<.100
AUG 03...	36	84	36	.03	<.10	.08	.7	.07	.02	120	<.100
SEP 07...	34	90	38	<.01	<.10	.12	2.0	.07	.01	100	<.100

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07355433 LAKE BUHLOW ABOVE KANSAS CITY SOUTHERN RAILROAD BRIDGE (SITE 1), AT PINEVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

0.5 FEET ABOVE THE LAKE BOTTOM

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
FEB												
11...	0945	129	6.6	8.5	20	60	8.4	54	4.1	--	--	--
MAR												
18...	1100	104	6.0	23.0	5	15	5.4	45	6.4	K250	<20	1900
APR												
13...	1015	117	6.0	19.0	5	10	8.3	58	4.8	K550	K13	130
MAY												
14...	0935	119	6.3	23.5	20	6.0	5.5	76	4.1	<2	K7	230
JUN												
10...	0845	123	6.1	30.0	5	2.0	4.5	33	5.0	K28	K16	3200
18...	0950	120	7.1	28.0	10	6.0	5.0	27	3.0	K28	K6	150
JUL												
12...	1335	123	6.9	31.5	20	10	5.6	240	6.9	K16	K20	74
AUG												
03...	0715	122	6.4	29.0	20	15	5.6	38	4.7	--	130	K500
SEP												
07...	1330	122	6.4	27.5	50	15	2.9	47	5.9	120	K10	200

DATE	ALKALINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
FEB											
11...	30	81	43	.02	.22	.13	.99	.14	.02	22.0	4.24
MAR											
18...	37	79	32	<.01	.09	.04	.47	.04	.02	21.8	<.100
APR											
13...	30	83	41	<.01	<.10	.05	.71	.04	<.01	6.93	1.95
MAY											
14...	32	65	82	<.01	<.10	.08	.50	.04	<.01	34.0	6.30
JUN											
10...	38	77	24	<.01	<.10	.20	.40	.03	.01	38.0	<.100
18...	40	77	42	<.01	.12	.13	1.2	.03	.02	34.0	<.100
JUL											
12...	37	97	39	<.01	<.10	.11	1.3	.04	<.01	66.0	<.100
AUG											
03...	37	74	30	<.01	<.10	.06	.80	.06	.01	100	<.100
SEP											
07...	38	97	20	<.01	<.10	.12	2.9	.07	.02	85.0	<.100

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07355434 LAKE BUHLOW BELOW KANSAS CITY SOUTHERN RAILROAD BRIDGE (SITE 2), AT PINEVILLE, LA

LOCATION.--Lat 31°20'15", long 92°26'29", in north central part of irregular sec. 16, T.4 N., R.1 W., Rapides Parish, Hydrologic Unit 08040301, .1 mi (.2 km) southeast of Kansas City Southern railroad bridge, and .1 mi (.2 km) from Pineville Municipal Airport.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--February to September 1982.

REMARKS.--Samples were collected 0.5 feet below the water surface and 0.5 feet above the lake bottom.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

0.5 FEET BELOW THE WATER SURFACE

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
FEB												
11...	1015	112	7.5	8.5	15	15	10.0	16	4.7	--	--	--
MAR												
18...	1130	99	7.5	23.5	10	7.0	9.8	32	6.4	K180	<10	430
APR												
13...	1100	109	6.4	18.5	10	6.0	8.5	48	4.3	1100	K5	370
MAY												
14...	1000	95	6.5	24.0	5	4.0	7.9	74	4.1	K12	K1	310
27...	1035	103	7.2	28.5	5	4.0	7.4	20	3.8	110	K12	210
JUN												
10...	0850	116	6.0	30.5	10	3.0	7.0	30	5.1	K20	K4	720
18...	1000	122	6.2	29.5	10	3.0	9.4	20	6.0	K8	<2	120
29...	1130	114	6.6	28.0	30	7.0	9.0	28	4.7	K40	K70	720
JUL												
12...	1350	124	8.1	33.0	30	7.0	8.8	140	7.5	K4	K2	88
28...	1300	113	7.4	32.5	50	15	11.9	130	6.4	K6	K4	240
AUG												
03...	0730	131	6.6	29.0	20	5.0	7.9	41	--	300	69	160
24...	1030	116	7.6	31.0	20	20	8.1	23	7.6	K80	K4	140
SEP												
07...	1330	125	6.8	29.0	50	15	8.1	49	7.2	K20	K6	K68

DATE	ALKA-LINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB											
11...	35	71	16	.02	.08	.06	.68	.05	<.01	38.6	9.05
MAR											
18...	34	64	18	<.01	.22	.07	.48	.04	.05	34.8	<.100
APR											
13...	30	83	27	<.01	<.10	.05	.65	.03	<.01	17.8	<.100
MAY											
14...	30	67	25	<.01	<.10	.06	.50	.03	.01	48.0	8.10
27...	31	77	14	<.01	<.10	.10	.80	.02	.05	65.0	9.70
JUN											
10...	34	74	10	<.01	<.10	.19	.70	.02	.01	46.0	<.100
18...	35	77	11	<.01	<.10	.10	1.3	.01	.01	35.0	<.100
29...	41	90	15	.04	<.10	.15	1.2	<.01	.02	55.0	<.100
JUL											
12...	37	94	12	<.01	<.10	.07	1.6	.01	<.01	58.0	<.100
28...	37	96	12	<.01	.13	.16	.50	.04	<.01	110	<.100
AUG											
03...	40	82	18	<.01	<.10	.05	.80	.05	<.01	52.0	<.100
24...	37	77	15	<.01	<.10	.09	.90	.05	.01	160	<.100
SEP											
07...	35	94	11	<.01	<.10	.09	1.6	.06	<.01	87.0	<.100

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07355434 LAKE BUHLOW BELOW KANSAS CITY SOUTHERN RAILROAD BRIDGE (SITE 2), AT PINEVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

0.5 FEET ABOVE THE LAKE BOTTOM

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
FEB 11...	1015	112	7.2	8.5	15	15	10.0	13	4.6	--	--	--
MAR 18...	1145	98	7.1	23.5	10	40	9.8	77	7.4	K60	<20	460
APR 13...	1115	109	6.1	18.5	5	7.0	8.5	44	5.1	K150	K8	K30
MAY 14...	0950	94	6.4	24.0	5	4.0	7.1	77	4.0	<2	<1	K12
27...	1030	102	6.7	28.0	5	4.0	6.3	<10	3.3	K380	K1	1800
JUN 10...	0855	115	6.1	30.0	10	3.0	6.0	28	3.4	K4	K4	780
18...	1005	119	6.8	28.0	10	7.0	4.1	10	--	K12	K24	46
29...	1145	114	6.1	27.5	30	8.0	6.5	43	2.0	K70	K72	K1300
JUL 12...	1355	124	6.9	31.0	20	6.0	2.7	94	4.9	K8	K4	62
28...	1315	109	8.5	31.0	50	10	6.6	44	3.8	K35	K5	K35
AUG 03...	0745	129	6.6	29.0	20	15	7.8	50	4.7	--	86	290
24...	1040	120	6.5	30.5	30	25	7.1	36	6.0	K48	K4	60
SEP 07...	1330	124	6.8	28.5	70	10	7.3	47	5.9	K16	K10	56

DATE	ALKA-LINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUORUM (UG/L)
FEB 11...	35	84	22	.01	.07	.06	.81	.03	<.01	41.0	9.03
MAR 18...	34	65	158	.02	2.5	.08	.71	.04	.11	37.8	<.100
APR 13...	29	76	24	<.01	<.10	.06	.55	.03	<.01	24.8	<.100
MAY 14...	29	70	28	<.01	<.10	.08	.70	.03	<.01	32.0	3.80
27...	32	74	19	<.01	<.10	.11	.80	.02	.01	51.0	<.100
JUN 10...	34	72	16	<.01	<.10	.12	.10	.02	<.01	50.0	<.100
18...	35	77	31	<.01	<.10	.12	.60	.03	<.01	24.0	<.100
29...	38	88	14	<.01	<.10	.12	.70	.02	<.01	53.0	<.100
JUL 12...	37	86	14	<.01	<.10	.08	.70	.01	<.01	56.0	<.100
28...	36	96	22	<.01	<.10	.17	.60	.03	.02	84.0	<.100
AUG 03...	40	80	30	<.01	<.10	.05	1.7	.06	<.01	130	<.100
24...	34	79	48	<.01	.12	.20	1.5	.05	.03	160	<.100
SEP 07...	39	101	13	<.01	<.10	.14	1.1	.07	<.01	84.0	<.100

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07355435 LAKE BUHLOW NORTHEAST OF FORT BUHLOW (SITE 3), AT PINEVILLE, LA

LOCATION.--Lat 30°20'00", long 92°26'39", in south central part of irregular sec. 16, T.4 N., R.1 W., Rapides Parish, Hydrologic Unit 08040301, 0.1 mi (0.2 km) northwest of U.S. Highway 71 and 0.5 mi (0.8 km) northeast of Fort Buhlow.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--February to September 1982.

REMARKS.--Samples were collected 0.5 feet below the water surface and 0.5 feet above the lake bottom.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

0.5 FEET BELOW THE WATER SURFACE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
FEB 11...	1045	110	8.2	8.5	15	20	10.2	23	4.4	--	--	--
MAR 18...	1205	99	7.1	24.0	15	9.0	9.6	53	6.2	K1800	<10	K110
APR 13...	1206	109	6.5	19.0	15	4.0	8.5	52	5.4	K170	K8	240
MAY 14...	1047	98	6.5	24.0	5	4.0	7.7	49	3.4	K12	K5	460
JUN 10...	0900	116	6.1	30.5	10	3.0	6.6	44	3.7	K8	K8	K56
18...	1305	121	8.4	29.0	10	4.0	8.8	<10	6.7	K4	<2	K28
JUL 12...	1410	125	8.5	33.0	30	7.0	10.0	150	8.9	K4	<2	940
AUG 03...	0800	131	6.6	29.0	20	5.0	6.0	38	3.9	470	110	1600
SEP 07...	1425	124	6.9	29.0	70	10	8.7	46	6.7	K12	K4	58

DATE	ALKALINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
FEB 11...	35	85	24	.01	.07	.06	.68	.03	<.01	37.7	8.37
MAR 18...	37	68	24	<.01	.05	.05	.64	.04	.01	31.5	.100
APR 13...	28	81	26	<.01	<.10	.08	.77	.03	<.01	18.4	<.100
MAY 14...	28	66	24	<.01	<.10	.07	.90	.03	<.01	45.0	6.20
JUN 10...	35	70	16	<.01	<.10	.11	.40	.02	.01	50.0	<.100
18...	35	68	14	<.01	.17	.12	.70	.02	.01	30.0	<.100
JUL 12...	37	85	16	<.01	<.10	.07	1.4	.01	<.01	59.0	<.100
AUG 03...	34	76	18	<.01	<.10	.05	1.0	.07	.01	62.0	<.100
SEP 07...	36	88	10	<.01	<.10	.07	.10	.05	<.01	120	8.60

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07355435 LAKE BUHLOW NORTHEAST OF FORT BUHLOW (SITE 3), AT PINEVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

0.5 FEET ABOVE THE LAKE BOTTOM

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
FEB 11...	1045	110	6.2	8.5	15	15	10.2	54	4.1	--	--	--
MAR 18...	1200	98	6.9	23.5	10	8.0	9.1	27	6.4	1400	<20	K120
APR 13...	1205	108	6.4	18.5	15	50	8.6	40	5.8	1100	K24	160
MAY 14...	1045	98	6.5	24.0	10	25	7.6	48	3.4	K40	K19	1900
JUN 10...	0905	116	6.5	30.0	10	4.0	6.3	31	3.8	K4	K4	170
18...	1320	122	6.8	29.0	15	15	8.8	19	2.1	K12	K2	K20
JUL 12...	1430	123	6.9	30.5	20	8.0	1.8	110	5.3	K20	K4	96
AUG 03...	0815	132	6.6	29.0	20	5.0	4.7	69	4.4	390	--	K650
SEP 07...	1425	123	6.8	29.0	70	20	6.7	47	6.6	K16	K4	40

DATE	ALKALINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
FEB 11...	37	82	26	.01	.09	.12	27	.03	<.01	32.7	8.10
MAR 18...	36	68	21	<.01	.02	.04	.62	.03	<.01	22.5	.100
APR 13...	30	81	220	<.01	<.10	.12	1.1	.03	<.01	5.72	<.100
MAY 14...	29	62	138	<.01	<.10	.07	.80	.02	<.01	38.0	3.80
JUN 10...	38	77	14	<.01	<.10	.16	.40	.02	<.01	56.0	<.100
18...	39	76	34	<.01	<.10	.10	.50	.02	<.01	--	--
JUL 12...	38	67	15	.01	<.10	.08	1.0	.02	<.01	70.0	<.100
AUG 03...	38	87	22	<.01	<.10	.08	.80	.10	.01	62.0	<.100
SEP 07...	36	89	12	<.01	<.10	.05	.50	.05	<.01	88.0	<.100

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07355436 LAKE BUHLOW SOUTH OF MISSOURI PACIFIC RAILROAD (SITE 4), AT PINEVILLE, LA

LOCATION.--Lat 31°20'00", long 92°27'05", in southeastern corner of irregular sec. 10, T.4 N., R.1 W., Rapides Parish, Hydrologic Unit 08040301, under power line, and 0.1 mi (0.2 km) southwest of Missouri Pacific railroad

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--February to September 1982.

REMARKS.--Samples were collected 0.5 feet below the water surface and 0.5 feet above the lake bottom.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

0.5 FEET BELOW THE WATER SURFACE

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
FEB												
11...	1100	108	6.4	8.5	15	15	11.1	12	5.3	--	--	--
MAR												
18...	1230	99	7.9	24.0	--	--	10.0	32	5.3	220	<20	K180
APR												
13...	1142	108	6.7	18.5	10	4.0	8.8	49	4.0	K65	K1	100
MAY												
14...	1022	98	6.5	24.0	10	3.0	8.0	53	3.8	<1	<2	>2000
JUN												
10...	0915	116	6.2	30.5	10	3.0	6.7	28	4.7	K70	K14	1900
18...	1340	120	6.5	29.5	15	9.0	8.8	11	5.7	K8	K11	K26
JUL												
12...	1500	125	8.4	31.0	20	7.0	9.7	180	7.4	K16	K60	1800
AUG												
03...	0830	133	6.6	29.0	15	5.0	5.4	43	3.1	220	K76	2200
SEP												
07...	1410	125	7.9	31.0	40	15	10.5	46	7.5	270	70	320

DATE	ALKA-LINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB											
11...	36	83	22	.01	.10	.13	.93	.21	<.01	33.4	7.77
MAR											
18...	38	71	15	<.01	.02	.05	.58	.03	<.01	18.4	<.100
APR											
13...	30	69	14	<.01	<.10	.04	1.1	.03	<.01	11.0	<.100
MAY											
14...	29	60	24	<.01	<.10	.06	.80	.03	<.01	48.0	6.20
JUN											
10...	37	77	10	<.01	<.10	.13	.50	.02	<.01	65.0	<.100
18...	38	70	48	<.01	<.10	.09	5.2	.01	<.01	--	--
JUL											
12...	38	73	14	<.01	<.10	.07	.80	.02	<.01	69.0	<.100
AUG											
03...	40	80	40	<.01	<.10	.06	.80	.06	<.01	140	<.100
SEP											
07...	37	90	16	<.01	<.10	.05	1.6	.05	<.01	88.0	<.100

< Actual value is known to be less than the value shown.

> Actual value is known to be greater than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07355436 LAKE BUHLOW SOUTH OF MISSOURI PACIFIC RAILROAD (SITE 4), AT PINEVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

0.5 FEET ABOVE THE LAKE BOTTOM

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
FEB												
11...	1100	108	6.3	8.5	15	15	10.3	27	4.3	--	--	--
MAR												
18...	1235	100	6.6	21.0	10	10	2.7	45	3.5	220	<20	K220
APR												
13...	1140	108	6.7	18.5	10	4.0	8.7	25	4.0	K70	K12	K32
MAY												
14...	1020	97	5.8	24.0	5	3.0	7.2	55	4.4	<2	<1	280
JUN												
10...	0920	116	6.2	30.0	10	4.0	4.9	<10	3.2	K130	K12	180
18...	1400	124	6.6	29.0	10	10	8.6	<10	2.2	K10	K4	94
JUL												
12...	1515	124	5.9	31.0	20	10	2.3	170	4.6	K20	K4	70
AUG												
03...	0845	140	6.4	28.5	30	10	2.3	43	3.0	380	K72	280
SEP												
07...	1410	124	7.4	29.0	40	10	3.6	48	7.1	K56	K12	100

DATE	ALKA-LINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB											
11...	37	55	26	.02	.13	.11	--	.04	<.01	32.5	8.06
MAR											
18...	40	66	34	<.01	.03	.05	.82	.04	<.01	37.2	<.100
APR											
13...	28	67	38	<.01	<.10	.06	.53	.02	<.01	17.8	<.100
MAY											
14...	29	74	22	.03	<.10	.07	.60	.04	<.01	43.0	7.90
JUN											
10...	36	80	16	<.01	<.10	.07	.40	.02	.01	53.0	<.100
18...	38	75	30	<.01	.17	.17	.80	.03	<.01	--	--
JUL											
12...	40	93	22	<.01	.13	.11	.80	.03	.02	61.0	<.100
AUG											
03...	45	67	21	<.01	<.10	.28	1.4	.11	<.01	140	<.100
SEP											
07...	37	101	13	<.01	<.10	.07	2.3	.06	<.01	45.0	<.100

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07355500 RED RIVER AT ALEXANDRIA, LA
(National stream-quality accounting network station)

LOCATION.--Lat 31°18'46", long 92°26'34", in SE1/4 sec.10, T.4 N., R.1 W., Rapides Parish, Hydrologic Unit 08040401, near center of span on downstream side of Murray Street bridge between Alexandria and Pineville, and 1.7 mi (2.7 km) downstream from Bayou Rigolette. Water-quality sampling site at center of channel 0.3 mi (0.5 m) downstream.

DRAINAGE AREA.--67,500 mi^2 (174,800 km^2), of which 5,936 mi^2 (15,374 km^2) above Denison Dam is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1928 to September 1981 (see NOTE). Since January 1928, in reports of Mississippi River Commission. Discharge observations in 1858 and intermittently 1879 to 1927, and gage heights since 1872 in reports of Mississippi River Commission.

REVISED RECORDS.--WSP 1211: Drainage area. WSP 1241: 1929-36.

GAGE.--Wire-weight gage read twice daily. Datum of gage is 44.26 ft (13.490 m) National Geodetic Vertical Datum of 1929 or 44.18 ft (13.466 m) above mean Gulf level, Mississippi River Commission datum (levels by Corps of Engineers). Prior to July 14, 1934, nonrecording gage at same site and datum.

REMARKS.--Regulation by Lake Texoma, Millwood Reservoir, and Texarkana Reservoir. See Red River near Hosston (station 07344400).

COOPERATION.--Gage-height record and computations of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--53 years (water years 1929-81) 30,690 ft^3/s (869.1 m^3/s), 22,234,900 acre-ft/yr (27.4 km^{3}yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 233,000 ft^3/s (6,600 m^3/s) Apr. 17, 1945, gage height, 45.23 ft (13.786 m); minimum, 873 ft^3/s (24.7 m^3/s) Oct. 30, 1956, gage height, -3.01 ft (-0.917 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 210,000 ft^3/s (5,950 m^3/s) was measured July 2, 1908, gage height, 41.6 ft (12.68 m).

EXTREMES FOR CURRENT YEAR.--Water Year 1981: Maximum daily discharge, 94,000 ft^3/s (2,660 m^3/s) June 12; minimum daily, 2,700 ft^3/s (76.5 m^3/s) Jan. 31.

NOTE.--Records for the 1982 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4100	12000	8000	11000	5500	11000	8500	9600	31000	37000	11000	4200
2	4000	12000	7800	10000	10000	11000	8300	11000	32000	35000	10000	5900
3	3900	12000	7500	9900	10000	10000	8300	12000	35000	33000	9500	7900
4	7500	13000	7300	9300	8500	12000	9000	12000	38000	31000	9000	8900
5	15000	14000	7000	8300	7100	15000	10000	13000	43000	29000	8600	9600
6	23000	16000	6700	7300	6900	16000	11000	12000	55000	28000	8200	10000
7	26000	17000	6600	6600	8500	15000	9800	9400	68000	27000	8100	11000
8	25000	15000	6400	5900	11000	15000	10000	8500	80000	28000	8300	11000
9	22000	14000	6500	5400	8900	20000	11000	8000	87000	31000	8400	11000
10	20000	12000	6600	5100	8800	28000	11000	8500	91000	36000	8100	10000
11	18000	9400	6300	4900	8700	32000	10000	9700	93000	37000	7500	10000
12	16000	7300	5900	4800	8600	33000	9700	11000	94000	36000	7000	10000
13	15000	6000	5800	4900	8600	31000	9300	12000	92000	36000	6400	9800
14	14000	4900	7200	4700	8400	28000	9100	13000	88000	36000	6100	8600
15	12000	4500	15000	4400	7900	26000	8800	13000	84000	34000	6300	7400
16	12000	4200	23000	4100	7600	24000	8200	17000	81000	32000	6600	6300
17	11000	4600	26000	4000	8300	21000	7500	23000	78000	31000	6600	5400
18	11000	4800	25000	3800	9300	19000	6700	27000	75000	29000	6200	4600
19	11000	4700	24000	3900	11000	17000	6100	31000	73000	27000	5500	4400
20	9700	5200	22000	4200	12000	15000	5600	35000	72000	24000	4700	4400
21	8600	7200	21000	4300	13000	14000	5000	36000	72000	21000	3800	4300
22	7300	8500	19000	4200	13000	12000	4500	36000	71000	19000	3300	4000
23	6700	9200	17000	4000	13000	11000	4500	37000	67000	17000	3500	3900
24	6700	9100	15000	3700	14000	10000	3900	35000	61000	15000	4000	4200
25	7100	9000	14000	3900	15000	9900	3800	33000	55000	14000	4500	4400
26	8100	8900	13000	4600	12000	9700	4600	30000	51000	13000	4600	4500
27	9600	8800	13300	4800	12000	9300	5400	27000	49000	13000	4700	4400
28	12000	8700	12000	4200	11000	9200	5600	25000	47000	12000	4200	4200
29	12000	8300	11000	3500	---	9100	5800	26000	44000	12000	3900	3800
30	12000	8300	10000	2900	---	9000	7200	28000	41000	12000	3600	5700
31	13000	---	10000	2700	---	8800	---	30000	---	11000	3600	---
TOTAL	383000	278600	385600	165300	278600	511000	228200	638700	1948000	796000	196000	203800
MEAN	12350	9287	12440	5332	9950	16480	7607	20600	64930	25680	6323	6793
MAX	26000	17000	26000	11000	15000	33000	11000	37000	94000	37000	11000	11000
MIN	3900	4200	5800	2700	5500	8800	3800	8000	31000	11000	3300	3900
AC-FT	759700	552600	764800	327900	552600	1014000	452600	1267000	3864000	1579000	388800	404200

CAL YR 1980 TOTAL 8275500 MEAN 22610 MAX 63000 MIN 3900 AC-FT 16410000
WTR YR 1981 TOTAL 6012800 MEAN 16470 MAX 94000 MIN 2700 AC-FT 11930000

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1.13	3.67	2.17	3.20	-1.25	3.47	2.47	1.17	11.72	14.82	4.13	.16
2	-1.21	3.60	2.00	2.99	1.70	3.22	2.33	2.28	11.98	13.97	3.53	.83
3	-1.23	3.67	1.83	2.62	1.41	3.00	2.21	2.70	12.74	13.30	3.10	1.91
4	1.00	3.80	1.70	2.07	.69	3.41	2.60	2.90	13.53	12.50	2.74	2.58
5	4.91	4.53	1.51	1.28	.06	5.84	3.29	3.38	14.10	11.73	2.53	2.98
6	7.00	5.60	1.37	.60	-.13	6.63	3.60	3.58	16.51	11.36	2.26	3.57
7	10.47	5.81	1.28	.18	.36	6.00	3.77	3.12	19.12	11.09	2.14	3.80
8	10.15	5.32	1.13	-.19	1.50	5.50	3.76	2.59	21.58	11.22	2.31	3.98
9	9.10	4.57	1.19	-.43	2.00	7.59	3.57	2.26	23.47	12.19	2.37	3.95
10	8.10	3.60	1.30	-.61	1.97	10.66	3.25	2.42	24.98	13.45	2.25	3.61
11	7.10	2.56	1.15	-.71	1.86	12.06	2.79	2.93	25.75	13.71	1.91	3.50
12	6.22	1.55	.81	-.76	1.88	12.37	2.23	4.02	26.00	13.34	1.60	3.57
13	5.50	.76	.64	-.59	1.80	11.85	1.83	5.01	25.65	13.42	1.30	3.32
14	4.82	.17	1.01	-.75	1.79	11.18	1.76	5.21	24.95	13.52	1.10	2.62
15	4.20	-.37	5.17	-.90	1.51	11.47	1.58	5.17	24.25	13.19	1.16	1.89
16	3.67	-.88	4.32	-.99	1.39	9.72	1.22	6.40	23.70	12.60	1.39	1.27
17	3.17	-.42	10.57	-1.16	1.58	8.89	.78	9.70	23.20	12.18	1.38	.85
18	3.75	-.17	10.40	-1.11	2.12	7.95	.36	11.04	22.75	11.80	1.23	.47
19	3.35	-.27	9.76	-1.12	2.73	7.03	.03	12.19	22.37	11.20	.90	.37
20	2.75	-.12	9.15	-1.00	3.68	6.35	-.22	13.06	22.15	10.30	.55	.38
21	2.00	1.40	8.53	-.98	4.35	5.53	-.40	13.78	22.21	9.32	.18	.33
22	1.20	2.27	7.67	-.98	4.08	4.73	-.74	13.84	22.10	8.43	-.07	.21
23	.76	2.71	6.70	-1.06	4.20	4.01	-.78	13.48	21.57	7.52	-.07	.14
24	.70	2.41	6.00	-1.14	4.30	3.55	-.87	12.94	20.54	6.70	.16	.22
25	.80	2.72	5.47	-1.14	4.27	3.28	-.99	12.36	19.72	5.88	.36	.35
26	1.53	2.68	5.08	-.88	4.10	3.08	-.73	11.70	18.83	5.28	.49	.40
27	2.41	2.64	4.70	-.20	3.90	2.88	-.41	10.55	18.12	4.92	.54	.37
28	3.57	2.52	4.30	-.96	3.72	2.81	-.32	9.90	17.58	4.81	.30	.31
29	4.16	2.33	3.90	-1.20	---	2.73	-.34	10.17	16.90	4.59	.14	.11
30	4.00	2.30	3.55	-1.36	---	2.71	-.11	10.55	15.89	4.40	.07	-.07
31	3.91	---	3.31	-1.46	---	2.59	---	11.33	---	4.27	.03	---
MAX	10.47	5.81	10.57	3.20	4.35	12.37	3.77	13.84	26.00	14.82	4.13	3.98
MIN	-1.23	-.88	.64	-1.46	-1.25	2.59	-.99	1.17	11.72	4.27	-.07	-.07

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947, 1952-62, 1969, 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1952 to September 1963, June 1973 to September 1981 (discontinued).
WATER TEMPERATURES: October 1952 to September 1963, June 1973 to current year.
CHLORIDE: October 1974 to current year.
SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1981.

REMARKS.--Temperature and specific conductance data for August and September 1981 have been revised.

COOPERATION.--Samples for daily chloride and suspended-sediment are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 04600.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,020 micromhos Oct. 8, 1956; minimum daily, 133 micromhos June 24, 1953.
WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 2, 8, 10, 1956; minimum daily, 3.0°C Jan. 22, 1978.
CHLORIDE: Maximum daily, 420 mg/L Oct. 12, 1978; minimum daily, 8.6 mg/L Apr. 7, 1977.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1,495,000 tons (1,356,000 tonnes) Dec. 9, 1973; minimum daily, 1,000 tons (907 tonnes) Oct. 10-22, 1972, Oct. 1 to Nov. 7, 1978, Sept. 27-30, Oct. 1-4, 1980, Jan. 30-31, Apr. 24-25, 1981.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Minimum daily, 3.5°C Jan. 17.
CHLORIDE: Maximum daily, 180 mg/L Oct. 10, 13-16, Nov.4-6; minimum daily, 18 mg/L Oct. 24, and Feb. 17.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 16...	0900	965	7.7	23.0	20	30	7.4	1.8	K100	9000
DEC 10...	1015	558	7.5	13.0	30	130	9.7	1.0	K660	K120
FEB 08...	1200	242	7.7	6.5	60	280	10.2	3.5	2000	K11000
APR 06...	1100	409	7.3	19.0	30	62	8.5	1.1	520	920
JUN 07...	1535	430	7.2	27.0	60	210	6.6	.9	K90	3400
AUG 02...	1530	569	7.5	30.0	20	65	6.4	.5	--	200

DATE	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
OCT 16...	200	53	16	110	4.1	118	95	170	.2
DEC 10...	140	42	9.5	63	3.3	91	59	83	.1
FEB 08...	74	22	4.7	15	2.4	77	18	14	.2
APR 06...	110	33	6.8	38	2.8	75	41	50	.1
JUN 07...	120	36	6.3	38	3.0	81	36	54	.2
AUG 02...	150	44	9.2	52	3.8	104	52	74	.2

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT 16...	6.6	551	526	.11	.06	.88	.17	.05	.05
DEC 10...	7.5	320	322	.40	.04	.42	.09	.03	.03
FEB 08...	5.7	126	128	.43	.11	.61	.28	.03	.03
APR 06...	5.2	236	222	.11	.13	.46	.12	.04	.03
JUN 07...	5.8	260	228	.33	.19	.7	.08	.05	.04
AUG 02...	4.5	318	297	<.10	.04	.6	.14	.05	.05

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT 16...	2	1	200	130	<1	1	10	10	2	<1
FEB 08...	2	4	300	61	1	<1	20	20	12	<1
APR 06...	1	1	100	89	1	2	20	10	3	<1
JUN 07...	2	1	300	110	1	<1	20	10	10	<1

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT 16...	4	3	1300	13	17	<1	200	4	.2
FEB 08...	34	12	26000	86	24	1	690	4	.2
APR 06...	3	<1	2200	59	9	2	180	4	<.1
JUN 07...	23	7	13000	44	10	1	440	9	<.1

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 16...	.2	7	1	<1	<1	<1	<1	50	4
FEB 08...	<.1	27	4	1	<1	<1	<1	150	14
APR 06...	<.1	3	2	<1	<1	<1	<1	10	6
JUN 07...	<.1	24	4	<1	<1	<1	1	50	15

DATE	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS-SOLVED (UG/L AS U)
FEB 08...	<3.9	76	52	1.8	58	1.8	56	.07	2.1
JUN 07...	<5.5	<25	--	3.6	24	3.5	24	.08	--

< Actual value is known to be less than the value shown.

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT												
16...	--	<1	--	<1	--	<.1	--	<1	--	.3	--	.6
FEB												
08...	.00	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR												
06...	<.1	<1	<.1	<1	<.01	<.1	<.10	<1	<.01	<.1	<.01	.2

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
OCT											
16...	--	<.1	--	--	<.1	--	<.1	--	<.1	--	--
FEB											
08...	.00	--	.01	.00	--	.00	--	.00	--	.00	.00
APR											
06...	<.01	<.1	.01	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
OCT											
16...	<.1	--	<.1	--	<.1	--	--	<.1	--	--	--
FEB											
08...	--	.00	--	.00	--	.00	.00	--	.00	.00	.00
APR											
06...	<.1	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01	<.01

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT											
16...	<.1	--	--	<.1	--	<1	--	--	--	--	--
FEB											
08...	--	.00	.00	--	<.1	--	.00	.01	<.01	<.01	<.01
APR											
06...	<.1	<.01	<.1	<1	<1	<10	<.01	<.01	<.01	<.01	<.01

DATE	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT		
16...	170	91
DEC		
10...	554	84
FEB		
08...	2510	72
APR		
06...	272	88
JUN		
07...	1440	85
AUG		
02...	304	96

< Actual value is known to be less than the value shown.

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.0	16.5	14.0	14.0	9.0	9.5	18.5	19.5				
2	22.0	16.5	14.0	15.0	9.0	9.5	18.5	20.0				
3	22.0	16.5	14.5	15.0	8.5	10.0	18.5	20.5				
4	22.0	16.5	14.5	14.5	8.0	10.0	19.0	20.5				
5	22.0	16.5	13.5	13.5	7.0	9.5	19.5	21.0				
6	21.5	16.5	13.5	10.0	6.0	9.0	15.0	21.0				
7	21.0	15.5	13.5	11.5	5.0	9.5	14.5	21.0				
8	21.0	16.0	13.5	10.0	4.5	8.5	15.5	20.0				
9	21.0	15.5	13.5	9.0	5.5	9.0	14.5	20.0				
10	20.5	15.5	13.0	8.5	4.5	9.5	14.5	20.0				
11	20.0	15.0	13.0	6.5	4.5	10.0	14.0	20.0				
12	21.0	14.5	12.5	6.0	5.0	10.5	14.0	21.0				
13	21.0	15.0	12.5	5.5	4.5	11.0	16.5	21.0				
14	20.5	15.0	12.5	5.5	4.5	13.0	18.5	21.0				
15	18.5	15.0	11.5	5.5	5.5	13.0	20.0	20.5				
16	20.0	15.0	11.0	4.5	8.0	14.5	21.0	20.5				
17	20.0	14.5	12.5	3.5	7.0	15.0	21.0	21.0				
18	20.0	15.0	10.0	4.5	8.5	14.5	21.0	21.0				
19	19.5	15.5	10.0	5.0	8.5	15.5	21.0	20.5				
20	19.5	14.5	10.0	6.5	8.5	16.0	20.5	20.5				
21	19.5	14.0	10.0	10.0	8.0	16.5	20.0	21.0				
22	19.5	13.5	10.0	10.0	8.5	---	18.5	21.0				
23	19.0	13.5	10.0	9.0	9.0	---	18.0	21.5				
24	18.5	14.0	10.0	8.0	9.5	14.5	18.0	21.5				
25	18.5	13.5	9.0	7.0	8.5	14.0	19.0	21.0				
26	18.5	14.0	9.0	6.5	8.0	10.0	19.5	20.5				
27	18.0	14.0	9.0	5.5	7.0	9.5	20.0	21.5				
28	18.0	13.5	9.0	6.5	8.0	10.0	19.5	21.5				
29	18.0	13.5	9.0	8.5	---	9.5	20.5	21.5				
30	18.0	14.0	9.0	10.0	---	13.0	21.0	21.5				
31	18.0	---	9.0	9.5	---	14.0	---	21.5				

CHLORIDE, DISSOLVED (MG/L AS CL), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	170	76	91	49	36	50	46	56	54	76	86
2	130	140	76	100	42	34	50	43	41	55	76	95
3	130	170	76	98	43	35	52	46	110	52	73	150
4	130	180	82	92	44	35	78	99	110	51	72	140
5	130	180	---	---	91	35	36	130	110	49	70	150
6	130	180	78	96	23	26	54	67	56	40	75	91
7	170	140	---	---	22	50	64	64	57	39	71	94
8	170	140	---	---	24	48	64	62	68	58	80	92
9	170	110	86	80	24	43	66	64	68	62	76	100
10	180	120	85	75	26	40	64	93	68	64	64	100
11	170	110	87	76	24	32	64	70	73	68	54	100
12	170	120	83	---	23	38	50	80	78	68	50	94
13	180	110	---	78	26	42	50	80	74	73	50	82
14	180	120	---	76	23	33	50	79	76	66	50	82
15	180	110	---	80	24	34	53	78	74	68	50	92
16	180	110	---	79	20	48	36	78	84	68	41	80
17	170	82	---	76	18	40	34	80	75	66	58	82
18	160	83	---	74	24	30	34	40	74	70	58	84
19	160	86	---	74	24	30	40	63	70	73	76	84
20	62	65	---	74	24	29	46	36	64	76	84	80
21	41	64	---	---	26	32	32	27	75	72	84	83
22	25	78	---	90	30	---	28	25	57	78	80	82
23	20	68	---	86	26	---	40	24	50	72	83	70
24	18	76	---	88	38	34	32	21	55	68	80	90
25	24	100	---	96	40	36	43	23	44	61	84	91
26	140	86	---	97	41	29	42	48	49	65	94	98
27	140	89	---	100	40	38	36	48	58	60	97	100
28	140	88	---	96	28	28	40	58	58	66	100	91
29	140	80	---	86	---	25	35	64	60	70	90	88
30	140	86	---	96	---	26	43	58	74	77	88	82
31	140	---	---	90	---	33	---	60	---	79	96	---

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	AUG	SEP
1	807	803
2	859	875
3	894	902
4	907	946
5	955	749
6	1020	599
7	1200	809
8	1180	931
9	1180	1060
10	1140	1120
11	1170	1070
12	1170	1000
13	1210	924
14	1210	1060
15	1160	1160
16	1030	1180
17	842	1120
18	715	1080
19	657	1140
20	804	1130
21	838	1110
22	808	1060
23	1060	1010
24	1190	957
25	1160	873
26	1130	792
27	1120	756
28	1150	748
29	1090	776
30	860	781
31	766	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	AUG	SEP
1	30.0	27.5
2	30.5	27.0
3	30.0	27.0
4	30.0	26.0
5	30.5	26.0
6	30.5	26.0
7	30.5	26.5
8	30.5	27.0
9	29.0	26.5
10	29.5	26.0
11	29.0	25.0
12	29.0	26.5
13	30.0	26.5
14	30.0	27.0
15	30.5	26.0
16	31.0	26.0
17	31.0	25.0
18	30.5	23.0
19	30.0	22.0
20	28.0	21.5
21	28.5	21.5
22	28.0	24.0
23	28.0	24.5
24	28.0	24.0
25	28.0	25.0
26	28.0	25.0
27	28.0	25.5
28	29.0	25.5
29	28.5	26.0
30	28.0	26.0
31	28.0	---

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT					
03...	1125	3900	106	1120	97
NOV					
13...	1130	6000	331	5370	95
28...	1130	8700	169	3960	78
FEB					
12...	1130	8600	499	11600	99
26...	1130	12000	332	10800	87
MAR					
12...	1125	33400	1430	129000	65
26...	1130	9700	234	6120	79
APR					
09...	1130	11400	382	11800	65
23...	1135	4500	133	1610	91
MAY					
07...	1130	9400	282	7170	80
21...	1130	36100	1400	137000	79
JUN					
04...	1130	38200	876	90300	74
11...	1130	93200	1640	414000	81
25...	1120	54500	807	119000	74
JUL					
09...	1130	31200	575	48500	84

07355500 RED RIVER AT ALEXANDRIA, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1000	341000	4000	10000	4000	10000	6000	7000	68000	60000	35000	52000
2	1000	270000	4000	9000	13000	11000	5000	4000	69000	55000	31000	108000
3	1000	213000	4000	9000	14000	9000	6000	11000	79000	50000	30000	204000
4	1000	197000	4000	8000	10000	13000	7000	11000	90000	45000	29000	277000
5	30000	180000	4000	6000	7000	21000	8000	13000	111000	40000	29000	345000
6	87000	207000	3000	5000	7000	25000	10000	11000	173000	38000	28000	401000
7	145000	163000	3000	4000	11000	23000	9000	7000	253000	36000	30000	518000
8	179000	115000	3000	3000	18000	24000	9000	6000	336000	39000	34000	558000
9	203000	70000	3000	3000	12000	43000	11000	6000	383000	48000	37000	600000
10	209000	41000	3000	3000	12000	86000	11000	6000	406000	69000	37000	537000
11	228000	22000	3000	2000	12000	116000	9000	8000	411000	78000	35000	578000
12	245000	11000	3000	2000	12000	127000	8000	11000	413000	80000	33000	621000
13	255000	5000	3000	3000	11000	108000	8000	13000	389000	86000	29000	643000
14	297000	4000	3000	2000	10000	84000	7000	16000	351000	92000	29000	537000
15	341000	3000	14000	2000	8000	70000	7000	16000	316000	89000	33000	433000
16	388000	2000	39000	2000	7000	57000	6000	28000	289000	85000	39000	341000
17	436000	2000	50000	2000	8000	42000	5000	52000	264000	86000	42000	273000
18	685000	2000	50000	2000	10000	33000	4000	72000	241000	81000	40000	215000
19	769000	2000	44000	2000	13000	25000	3000	97000	225000	76000	34000	212000
20	817000	2000	42000	2000	15000	19000	3000	126000	215000	65000	27000	228000
21	805000	4000	36000	2000	16000	16000	2000	136000	212000	54000	19000	235000
22	752000	6000	31000	2000	15000	11000	2000	131000	202000	48000	16000	220000
23	840000	6000	26000	2000	15000	9000	2000	133000	178000	42000	19000	225000
24	644000	6000	21000	2000	16000	7000	1000	115000	146000	35000	27000	280000
25	557000	5000	19000	2000	17000	7000	1000	99000	118000	33000	36000	329000
26	579000	5000	17000	3000	11000	6000	2000	79000	103000	31000	44000	370000
27	648000	4000	15000	3000	11000	6000	2000	62000	97000	33000	45000	381000
28	738000	4000	13000	2000	10000	6000	3000	52000	91000	31000	39000	374000
29	691000	4000	12000	2000	---	6000	3000	54000	81000	33000	36000	332000
30	546000	4000	12000	1000	---	6000	4000	60000	72000	36000	34000	781000
31	504000	---	10000	1000	---	6000	---	66000	---	32000	36000	---
TOTAL	12622000	1900000	498000	103000	325000	1032000	164000	1513000	6382000	1706000	1012000	11208000
MEAN	407000	63300	16100	3320	11600	33300	5470	48800	213000	55000	32600	374000
MAX	840000	341000	50000	10000	18000	127000	11000	136000	413000	92000	45000	781000
MIN	1000	2000	3000	1000	4000	6000	1000	6000	68000	31000	16000	52000
DAYS	31	30	31	31	28	31	30	31	30	31	31	30

WTR YR 1981 TOTAL 38465000 MEAN 105000 MAX 840000 MIN 1000 DAYS 365

07355600 RED RIVER AT MONCLA, LA (CE 04657)

LOCATION.--Lat 31°12'10", long 92°08'30", T.3 N., R.3 W., Avoyelles Parish, Hydrologic Unit 08040301, near center of span on downstream side of bridge on State Highway 115, 1.4 mi (2.3 km) west of Moncla, and at mile 74.0 (119.1 km).

DRAINAGE AREA.--67,625 mi^2 (175,149 km^2), of which 5,936 mi^2 (15,374 km^2) above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1971, 1973 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 16...	1015	989	8.2	24.0	15	25	<1.0	8.5	31	2.0	K450	K40
NOV 19...	1245	502	7.6	17.5	30	100	<1.0	8.7	26	1.3	5000	460
DEC 10...	1130	664	7.5	12.0	20	150	<1.0	9.7	330	1.0	4800	510
JAN 25...	1100	634	7.4	12.0	15	120	<1.0	10.8	22	1.8	7000	780
FEB 08...	1015	295	7.7	7.0	50	300	<1.0	10.2	57	5.4	7400	760
MAR 19...	1215	260	7.1	22.5	40	10	<1.0	8.6	35	6.0	640	K170
APR 23...	0900	257	6.9	18.0	240	250	<1.0	7.4	31	2.3	K2500	K700
MAY 13...	1530	516	7.2	24.5	20	40	<1.0	8.6	41	6.1	170	K45
JUN 10...	1200	470	7.1	26.5	30	270	<1.0	6.6	38	1.2	K900	140
JUL 12...	1015	492	7.4	29.5	15	250	<1.0	6.3	90	3.7	K600	340
AUG 02...	1430	597	7.4	30.0	20	120	<1.0	7.3	43	5.2	K1000	420
SEP 07...	1045	737	8.0	29.0	20	10	<1.0	8.9	15	4.3	K40	K30

DATE	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT 16...	200	54	16	122	110	180	50	.05	.02	.07	.70	.14
NOV 19...	120	36	7.9	76	51	73	490	.30	.09	.39	.81	.23
DEC 10...	150	44	9.0	99	66	110	202	.33	.05	.38	.63	.07
JAN 25...	150	41	11	85	68	100	132	.53	.06	.59	.45	.16
FEB 08...	78	23	5.1	98	20	18	1260	.42	.11	.53	.81	.27
MAR 19...	72	22	4.2	57	25	25	133	.22	.03	.25	.41	.05
APR 23...	76	22	5.0	66	23	24	732	.45	.08	.53	.63	.27
MAY 13...	130	38	8.9	93	47	69	112	--	.02	<.10	.59	.12
JUN 10...	130	39	7.4	84	46	64	650	.28	.02	.30	--	.06
JUL 12...	130	39	8.0	104	38	65	434	.21	.03	.24	.70	.10
AUG 02...	150	44	9.3	96	53	78	328	--	.07	<.10	.90	.07
SEP 07...	210	60	15	151	68	100	28	--	<.01	<.10	.70	.09

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07355600 RED RIVER AT MONCLA, LA (CE 04657)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
OCT 16...	3	2	<10	1	<1	1	10	<1	10	3	19	22
NOV 19...	3	2	<10	<1	1	<1	30	<1	25	9	51	22
DEC 10...	2	1	<10	<1	1	1	30	<1	13	2	130	15
JAN 25...	1	<1	<10	<1	1	<1	20	<1	13	5	30	9
FEB 08...	2	<1	<10	<1	1	1	60	<1	36	11	110	24
MAR 19...	<1	1	<10	<1	<1	<1	80	<1	16	5	83	28
APR 23...	4	2	<10	<1	1	<1	20	<1	19	5	150	18
MAY 13...	2	1	<10	<1	1	<1	10	<1	15	10	29	100
JUN 10...	2	1	<10	<1	1	<1	10	<1	27	8	48	26
JUL 12...	3	1	<10	<1	2	<1	20	<1	22	7	36	20
AUG 02...	3	1	<10	<1	2	<1	20	<1	34	5	18	22
SEP 07...	2	2	<10	<1	1	<1	10	<1	5	5	7	6

DATE	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT 16...	<1	.2	<.1	5	2	<1	<1	--	30	4	6.7	<.01
NOV 19...	<1	.1	.2	23	<1	1	<1	.1	80	13	9.8	<.01
DEC 10...	3	.1	.4	9	3	<1	<1	--	90	55	8.8	<.01
JAN 25...	2	<.1	<.1	8	1	<1	<1	<1.0	30	<4	5.7	<.01
FEB 08...	2	.1	<.1	29	4	1	<1	<1.0	130	14	18	<.01
MAR 19...	3	<.1	<.1	7	3	<1	<1	2.0	30	6	4.5	<.01
APR 23...	1	<.1	<.1	14	3	<1	<1	4.0	60	11	10	<.01
MAY 13...	5	.1	.1	8	3	<1	<1	.1	70	8	6.0	<.01
JUN 10...	2	.4	.4	25	<1	<1	<1	.2	60	11	.5	<.01
JUL 12...	3	<.1	.1	18	1	<1	<1	2.2	80	7	7.0	<.01
AUG 02...	2	.1	<.1	25	3	<1	<1	1.2	100	13	4.9	--
SEP 07...	<1	.4	.1	4	2	<1	<1	3.3	10	6	5.8	<.01

< Actual value is known to be less than the value shown.

07355600 RED RIVER AT MONCLA, LA (CE 04657)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 16...	<1	2	.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001	<.1
NOV 19...	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--
DEC 10...	<1	2	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--
JAN 25...	1	2	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001	<.1
FEB 08...	3	<1	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--
MAR 19...	3	<1	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--
APR 23...	<1	<1	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001	<.1
MAY 13...	1	<1	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--
JUN 10...	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--
JUL 12...	1	<1	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001	.8
AUG 02...	<1	<1	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--
SEP 07...	<1	--	<.1	--	<.1	--	<.001	--	<.1	--	<.001	--

DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 16...	<.001	.3	<.001	<.1	.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
NOV 19...	<.001	--	<.001	--	.01	--	<.001	--	<.001	--	<.001	--
DEC 10...	<.001	--	<.001	--	.01	--	<.001	--	<.001	--	<.001	--
JAN 25...	<.001	.2	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
FEB 08...	<.001	--	<.001	--	.02	--	<.001	--	<.001	--	<.001	--
MAR 19...	<.001	--	<.001	--	.02	--	<.001	--	<.001	--	<.001	--
APR 23...	<.001	1.1	.002	.6	.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
MAY 13...	<.001	--	<.001	--	.02	--	<.001	--	<.001	--	<.001	--
JUN 10...	<.001	--	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--
JUL 12...	<.001	2.0	<.001	1.3	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1
AUG 02...	<.001	--	<.001	--	.01	--	<.001	--	<.001	--	<.001	--
SEP 07...	<.001	--	<.001	--	.01	--	<.001	--	<.001	--	<.001	--

< Actual value is known to be less than the value shown.

07355600 RED RIVER AT MONCLA, LA (CE 04657)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)
OCT 16...	<.01	<.1	<.001	.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1
NOV 19...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
DEC 10...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
JAN 25...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1
FEB 08...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
MAR 19...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
APR 23...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1
MAY 13...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
JUN 10...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
JUL 12...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1
AUG 02...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--
SEP 07...	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--

DATE	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 16...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
NOV 19...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--
DEC 10...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--
JAN 25...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
FEB 08...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--
MAR 19...	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--	<1	--
APR 23...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1	<1	<10
MAY 13...	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--	<1	--
JUN 10...	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--	<1	--
JUL 12...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1	<1	<10
AUG 02...	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--	<1	--
SEP 07...	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--	<1	--

< Actual value is known to be less than the value shown.

07355600 RED RIVER AT MONCLA, LA (CE 04657)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 16...	<.01	<.1	<.01	<.01	<.01	<.01
NOV 19...	<.01	--	.01	<.01	<.01	<.01
DEC 10...	<.01	--	.04	<.01	.02	<.01
JAN 25...	<.01	<.1	<.01	<.01	.01	<.01
FEB 08...	<.01	--	--	--	--	--
MAR 19...	<.01	--	<.01	<.01	<.01	<.01
APR 23...	<.01	<.1	.10	<.01	.02	<.01
MAY 13...	<.01	--	.08	.01	.01	<.01
JUN 10...	<.01	--	.01	<.01	<.01	<.01
JUL 12...	<.01	<.1	.20	<.01	.01	<.01
AUG 02...	<.01	--	.03	<.01	.01	<.01
SEP 07...	<.01	--	.02	<.01	<.01	<.01

< Actual value is known to be less than the value shown.

07355601 RED RIVER NEAR SIMMESPORT, LA

(Formerly published as 310801091430900 Red River near Simmesport, LA)
(National stream-quality accounting network station)

LOCATION.--Lat 31°08'01", long 91°43'09", in sec. 24, T.2 N., R.7 E., St. Helena Meridian, Avoyelles-Concordia Parish line, Hydrologic Unit 08040301, 8.2 mi (13.2 km) northwest of Old River Control Structure, 11.5 mi (18.5 km) north-northeast of Simmesport, and at mile 16.0 (25.7 km).

DRAINAGE AREA.--93,163 mi^2 (241,292 km^2).

PERIOD OF RECORD.--Water years 1978 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1978 to September 1981 (discontinued).
WATER TEMPERATURES: April 1978 to September 1979, October 1980 to September 1981 (discontinued).

COOPERATION.--Discharge records furnished by the Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,520 micromhos June 30, 1978; minimum daily, 104 micromhos Feb. 13-15, 1979.
WATER TEMPERATURES: Maximum daily, 35.0°C July 3, 6, 1979; minimum daily, 5.0°C Jan. 9, 14, 1979.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT										
22...	1100	59100	730	7.1	22.5	20	220	3.5	3.7	K200
DEC										
03...	1100	23700	565	7.4	15.5	50	110	9.5	1.0	K1000
FEB										
25...	1100	85300	226	6.9	14.0	60	110	9.5	1.7	K70
APR										
22...	1030	91600	228	7.1	19.5	80	150	6.4	3.8	400
JUN										
17...	1030	99700	523	7.5	27.0	100	170	6.1	2.8	K40
AUG										
12...	1030	30800	461	7.1	30.0	50	70	6.1	.4	K20

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT									
22...	25000	170	47	13	77	3.7	116	59	110
DEC									
03...	4100	130	38	8.3	66	3.6	82	48	92
FEB									
25...	760	49	14	3.4	26	2.9	34	18	29
APR									
22...	2400	57	16	4.2	26	2.4	44	19	31
JUN									
17...	680	130	38	8.1	50	3.7	81	37	73
AUG									
12...	900	120	33	8.3	45	3.5	116	37	64

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT									
22...	.2	8.2	396	.70	.20	1.2	.24	.03	.02
DEC									
03...	.2	7.9	327	.44	.08	.48	--	.02	.01
FEB									
25...	<.1	7.2	129	.30	.16	.96	.17	.04	.05
APR									
22...	<.1	7.4	142	.55	.12	.95	.24	.07	.05
JUN									
17...	.2	5.7	301	.40	.11	<.10	.18	.03	.03
AUG									
12...	.2	3.2	252	.19	.15	.60	.09	.04	.03

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07355601 RED RIVER NEAR SIMMESPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT 22...	3	1	300	140	1	<1	10	10	7	<1
FEB 25...	2	2	100	52	1	1	10	10	2	<1
APR 22...	3	2	100	58	3	<1	20	10	3	<1
JUN 17...	4	2	<100	120	<1	<1	20	10	7	<1

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT 22...	18	3	10000	16	10	<1	400	24	<.1
FEB 25...	12	5	470	100	8	1	120	23	<.1
APR 22...	14	8	6200	180	10	1	290	9	<.1
JUN 17...	18	13	7700	16	6	1	250	3	.1

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 22...	<.1	18	2	<1	<1	<1	<1	90	13
FEB 25...	<.1	5	4	<1	<1	<1	<1	40	11
APR 22...	<.1	5	2	<1	<1	<1	<1	40	10
JUN 17...	<.1	20	2	<1	<1	<1	1	130	5

< Actual value is known to be less than the value shown.

07355650 LARTO LAKE AT DAM, NEAR ACME, LA

LOCATION.--Lat 31°20'01", long 91°56'10", in SW1/4 sec.11, T.4 N., R.5 E., Catahoula Parish, Hydrologic Unit 08040301, at dam 3.0 mi (4.8 km) west of Argo, 4.2 mi (6.8 km) upstream from mouth of Larto Bayou, and 7.7 mi (12.4 km) northwest of Acme.

DRAINAGE AREA.--291 mi^2 (754 km^2).

PERIOD OF RECORD.--December 1968 to September 1976 (gage heights only), October 1976 to September 1977 and December 1978 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1976, at datum 33.00 ft (10.058 m) higher.

REMARKS.--Reservoir is formed from a natural oxbow lake by an earthfill dam, completed in 1959. The dam consists of a 57-ft (17.4-m) concrete spillway and a 10-ft (3.0-m) wide timber gate. The crest of the dam is at an elevation of 45.45 ft (13.853 m), and the invert of the spillway is at 36.95 ft (11.262 m). The capacity at elevation of 36.95 ft (11.262 m) is estimated to be 15,000 acre-ft (18.5 hm^3). Outflow between elevation of 30.95 ft (9.434 m) and 36.95 ft (11.262 m) is regulated by the timber gate. Lake is used for recreation. No elevations recorded below 34.05 ft (10.378 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 59.26 ft (18.062 m) present datum, from floodmark, occurred during period May 14-18, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 39.13 ft (11.927 m) Feb. 18; minimum not determined.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36.54	36.33	36.54	37.46	37.52	38.07	38.29	37.77	37.14	37.16	35.16	34.05
2	36.55	36.47	36.54	37.50	37.51	38.02	38.38	37.76	37.09	37.09	35.19	
3	36.51	36.53	36.53	37.56	37.69	37.95	38.43	37.71	37.08	37.02	35.16	
4	36.47	36.61	36.56	37.65	37.60	37.89	38.33	37.65	37.04	36.93	35.12	
5	36.51	36.56	36.51	37.58	37.57	37.85	38.21	37.61	37.05	36.87	35.06	
6	36.50	36.61	36.50	37.56	37.63	37.86	38.13	37.56	37.02	36.77	34.98	
7	36.53	36.59	36.48	37.55	37.54	37.90	37.96	37.54	37.00	36.68	34.97	
8	36.51	36.56	36.49	37.54	37.53	37.82	37.90	37.51	36.99	36.61	34.90	
9	36.49	36.64	36.48	37.49	37.62	37.79	37.84	37.48	36.93	36.52	34.89	
10	36.54	36.66	36.45	37.47	37.68	37.76	37.78	37.45	36.87	36.43	34.88	
11	36.54	36.60	36.43	37.47	37.70	37.72	37.74	37.40	36.81	36.34	34.82	
12	36.51	36.60	36.45	37.39	37.72	37.66	37.65	37.35	36.70	36.35	34.78	
13	36.49	36.56	36.43	37.53	37.71	37.65	37.60	37.32	36.72	36.30	34.74	
14	36.46	36.57	36.68	37.56	37.66	37.61	37.60	37.35	36.66	36.24	34.68	
15	36.48	36.55	36.82	37.55	37.64	37.58	37.56	37.32	36.58	36.16	34.65	
16	36.47	36.57	36.84	37.62	38.47	37.57	37.50	37.32	36.64	36.10	34.59	
17	36.45	36.54	36.96	37.58	38.96	37.52	37.70	37.30	36.56	36.05	34.55	
18	36.54	36.53	36.97	37.59	39.12	37.52	37.80	37.30	36.54	35.97	34.52	
19	36.42	36.53	36.90	37.59	38.99	37.50	37.82	37.28	36.50	35.92	34.44	
20	36.39	36.59	36.87	37.59	38.80	37.44	37.83	37.27	36.49	35.85	34.38	
21	36.38	36.49	36.84	37.59	38.61	37.44	38.28	37.26	36.49	35.77	34.33	
22	36.37	36.49	36.88	37.53	38.44	37.46	38.43	37.25	36.65	35.69	34.30	
23	36.49	36.47	37.01	37.58	38.29	37.39	38.40	37.22	36.71	35.67	34.33	
24	36.37	36.49	36.95	37.57	38.17	37.42	38.30	37.24	36.83	35.61	34.26	
25	36.39	36.47	36.98	37.53	38.08	37.41	38.25	37.26	36.93	35.48	34.22	
26	36.44	36.42	36.97	37.52	37.96	37.38	38.16	37.22	36.96	35.44	34.19	
27	36.40	36.50	36.98	37.48	38.12	37.29	38.08	37.21	37.05	35.40	34.16	
28	36.38	36.50	36.97	37.46	38.09	37.32	37.00	37.20	37.13	35.34	34.13	
29	36.40	36.49	36.99	37.43	---	37.30	37.91	37.17	37.17	35.29	34.10	
30	36.37	36.46	36.96	37.42	---	37.30	37.84	37.16	37.14	35.21	34.08	
31	36.34	---	37.24	37.57	---	37.87	---	37.14	---	35.19	34.06	---
MAX	36.55	36.66	37.24	37.65	39.12	38.07	38.43	37.77	37.17	37.16	35.19	34.05
MIN	36.34	36.33	36.43	37.39	37.51	37.29	37.00	37.14	36.49	35.19	34.06	---

NOTE.--Elevation was below recordable elevation of 34.05 feet, Sept. 2-30.

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 33°01'52", long 92°05'16", in SE1/4NE1/4 sec.25, T.19 S., R.10 W., Union County, Hydrologic Unit 08040202, on right bank 500 ft (152 m) below lock and dam No. 6, 1.6 mi (2.6 km) north of Arkansas-Louisiana State line, 3.5 mi (5.6 km) downstream from Missouri Pacific Railroad Co. bridge, and 4.5 mi (7.2 km) southeast of Felsenthal, Ark.

DRAINAGE AREA.--10,787 mi^2 (27,938 km^2).

PERIOD OF RECORD.--April 1958 to current year (daily gage heights and daily discharges below 19.0 ft or 5.79 m stage only). Gage-height record for some periods collected at same site since 1912 are contained in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 44.09 ft (13.439 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 26, 1958, nonrecording gage at same site and datum. Water-stage recorder for Ouachita River at Sterlington (station 07364535) used as auxiliary gage for this station. Prior to Oct. 1, 1980, water-stage recorder for Ouachita River at Alabama Landing near Haile (station 07364103) was used as auxiliary gage for this station.

REMARKS.--Records fair. Discharge computed for stages below bankfull, about 19 ft (5.79 m). Considerable regulation by 5 reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft (3.83 km^3) and a series of navigation locks and dams. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 43.04 ft (13.119 m) May 14, 15, 1958 (discharge not determined); minimum daily discharge, 190 ft^3/s (5.38 m^3/s) Sept. 13, 1971.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since 1912, 44.2 ft (13.47 m) Apr. 11, 12, 1945; minimum, -0.3 ft (-0.09 m) Nov. 11, 1916; minimum since 1928, 5.8 ft (1.76 m) Aug. 25, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.46 ft (6.846 m) Apr. 29; minimum daily discharge, 645 ft^3/s (18.3 m^3/s) Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1510	4260	2780	1600	8660	---	6510	---	6720	7990	3090	2500
2	1540	4210	2880	1930	12100	---	6250	---	5250	7390	3880	2120
3	1570	3910	3330	1900	13900	---	7620	---	3180	8430	4190	2080
4	1600	3760	4010	2100	14400	---	9070	---	3550	8860	3660	2300
5	1650	3940	4140	2660	14800	---	12300	---	4230	8540	3130	2540
6	1600	4070	4180	3900	15200	13300	14300	---	4370	6790	2710	2560
7	1600	3990	4160	4530	---	13200	14900	---	4540	5420	3080	1830
8	1950	3860	3910	4340	---	13200	---	---	4590	4200	2630	1380
9	2340	3840	2650	3990	---	13400	---	---	4560	3640	2450	1310
10	2410	3890	2100	3660	---	13600	---	---	4150	3470	2590	1330
11	2330	3680	2780	3510	---	13700	---	13300	4140	3190	2690	1310
12	2420	2590	3480	3490	---	13700	---	11700	4260	2430	2940	1670
13	2660	1970	3820	4200	---	13500	---	10600	4310	1980	2920	2080
14	2840	2560	3840	5400	---	13200	---	10400	4330	1970	2980	1850
15	3020	2960	3670	6090	---	12900	---	9960	4300	1950	3000	1320
16	3190	3040	3500	5420	---	12500	---	9420	4540	1880	2940	1050
17	3220	3040	3400	3720	---	12200	---	8860	5520	1860	2850	1320
18	4980	3410	3280	3500	---	12000	---	8180	8240	1830	2460	1440
19	7260	3950	3150	3020	---	12200	---	6960	11400	1710	2070	1140
20	7730	4100	2630	2690	---	12400	---	6140	12900	1660	2060	989
21	8010	4050	1970	2870	---	12600	---	5910	14500	2130	2060	919
22	6990	3650	2260	2870	---	12800	---	5670	15900	2680	2080	896
23	4210	3050	2390	3870	---	12900	---	4940	15600	3100	2170	850
24	2790	2520	2670	4880	---	12800	---	4070	15100	3060	2280	788
25	3970	2610	2950	7160	---	12700	---	3710	13900	2650	2230	673
26	5490	2920	2840	8700	---	12400	---	3870	11100	3180	2080	650
27	5490	3040	2770	9970	---	11100	---	5270	9060	2300	2450	645
28	4440	2930	2470	9720	---	10100	---	7430	6970	1810	2910	671
29	3810	2580	2410	7680	---	9720	---	8340	5770	2040	3190	711
30	4200	2590	1990	6140	---	8080	---	8470	5310	2330	3050	691
31	4320	---	1450	6770	---	6930	---	6870	---	2870	2990	---
TOTAL	111140	100970	93860	142280	---	---	---	---	222290	113340	85810	41613
MEAN	3585	3366	3028	4590	---	---	---	---	7410	3656	2768	1387
MAX	8010	4260	4180	9970	---	---	---	---	15900	8860	4190	2560
MIN	1510	1970	1450	1600	8660	6930	6250	3710	3180	1660	2060	645

07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.99	10.62	9.31	8.09	14.02	19.70	12.76	22.34	13.64	13.15	9.60	9.02
2	7.97	10.59	9.40	8.42	16.33	19.68	12.49	22.23	13.49	13.32	10.28	8.62
3	8.06	10.31	9.80	8.52	17.66	19.35	13.37	22.04	13.59	14.05	10.64	8.63
4	8.14	10.17	10.41	8.68	18.08	19.28	14.41	21.72	13.75	14.40	10.14	8.82
5	8.19	10.32	10.52	9.18	18.47	19.07	16.77	21.42	13.70	14.23	9.64	9.03
6	8.15	10.45	10.55	10.35	18.81	18.87	17.95	21.03	13.75	13.03	9.22	9.08
7	8.09	10.36	10.56	10.92	19.11	18.73	18.52	20.65	13.76	11.86	9.61	8.39
8	8.46	10.26	10.32	10.78	19.40	18.66	19.04	20.19	13.68	10.77	9.19	7.95
9	8.88	10.25	9.13	10.50	19.73	18.67	19.42	19.73	13.59	10.20	9.00	7.90
10	8.92	10.27	8.59	10.16	19.88	18.72	19.74	19.27	13.50	10.01	9.14	7.94
11	8.82	10.08	9.30	10.00	20.00	18.75	19.14	18.70	13.50	9.73	9.22	7.98
12	8.96	9.12	9.91	10.00	20.14	18.70	20.10	17.40	13.69	8.97	9.45	8.47
13	9.17	8.45	10.25	10.55	20.26	18.55	20.09	16.38	13.66	8.49	9.41	8.92
14	9.33	9.02	10.24	11.55	20.39	18.30	19.92	16.01	13.62	8.49	9.50	8.71
15	9.52	9.45	10.10	12.16	20.52	18.05	19.83	15.53	13.60	8.46	9.51	8.17
16	9.69	9.52	9.97	11.66	21.08	17.76	19.83	15.02	13.69	8.39	9.44	7.91
17	9.71	9.51	9.85	10.18	21.20	17.47	19.83	14.52	13.76	8.39	9.36	8.25
18	11.09	9.84	9.72	9.96	21.26	17.28	19.87	13.96	13.78	8.36	8.98	8.49
19	12.97	10.34	9.61	9.52	21.12	17.29	20.11	13.04	13.83	8.23	8.59	8.15
20	13.36	10.46	9.09	9.18	21.02	17.37	20.44	12.32	13.84	8.17	8.61	8.02
21	13.57	10.40	8.54	9.39	20.98	17.45	20.73	12.07	13.84	8.66	8.55	7.99
22	12.91	10.07	8.83	9.40	20.96	17.60	21.01	11.84	13.84	9.21	8.59	8.00
23	10.71	9.53	8.90	10.25	20.81	17.70	21.28	11.25	13.84	9.53	8.68	7.99
24	9.29	9.02	9.10	11.08	20.65	17.65	21.56	10.47	13.84	9.56	8.82	7.95
25	10.25	9.12	9.40	12.88	20.05	17.53	21.82	10.10	13.84	9.12	8.75	7.85
26	11.63	9.42	9.30	13.99	20.20	17.34	22.05	10.24	13.84	9.65	8.59	7.85
27	11.66	9.52	9.26	14.92	19.90	16.49	22.22	11.36	13.84	8.82	8.93	7.88
28	10.82	9.40	8.96	14.84	19.68	15.74	22.34	12.98	13.84	8.30	9.40	7.98
29	10.21	9.08	8.88	13.54	---	15.36	22.42	13.71	13.84	8.59	9.67	8.09
30	10.52	9.12	8.52	12.33	---	14.20	22.41	13.81	13.84	8.85	9.53	8.13
31	10.65	---	8.36	12.76	---	13.22	---	13.82	---	9.37	9.48	---
MAX	13.57	10.62	10.56	14.92	21.26	19.70	22.42	22.34	13.84	14.40	10.64	9.08
MIN	7.97	8.45	8.36	8.09	14.02	13.22	12.49	10.10	13.49	8.17	8.55	7.85

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA

LOCATION.--Lat 32°59'25", long 91°39'20", in SE1/4SW1/4 sec.9, T.23 N., R.8 E., Morehouse Parish, Hydrologic Unit 08040205, on downstream side of left pier of bridge on State Highway 834, 1.0 mi (1.6 km) downstream from Arkansas-Louisiana State line, and 1.6 mi (2.6 km) northwest of Jones.

DRAINAGE AREA.--1,187 mi^2 (3,074 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 79.21 ft (24.143 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder for Bayou Bartholomew northwest of Jones (station 07364203) used as auxiliary gage for this station since Oct. 1, 1959. See WSP 2120 for history of changes prior to Dec. 7, 1966.

REMARKS.--Records good. Large diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins by way of interconnecting system of bayous and drainage ditches and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000). Other flow bypasses station and reenters the basin 5 mi (8 km) downstream by way of Overflow Creek. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--25 years, 1,239 ft^3/s (35.09 m^3/s), 898,000 acre-ft/yr (1.11 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 6,680 ft^3/s (189 m^3/s) Mar. 11-13, 1961; maximum gage height, 28.24 ft (8.608 m) May 21, 22, 1958; minimum discharge, 32 ft^3/s (0.91 m^3/s) July 22, 1966, gage height, 0.35 ft (0.107 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,670 ft^3/s (75.6 m^3/s) May 9, gage height, 15.77 ft (4.807 m); minimum discharge, 51 ft^3/s (1.44 m^3/s) July 30, gage height, 0.74 ft (0.226 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	228	133	64	250	1960	445	2010	244	433	81	374
2	98	226	137	66	335	1930	463	2140	216	468	164	359
3	91	221	137	127	416	1910	552	2260	192	500	240	343
4	86	214	135	220	486	1880	594	2380	175	510	267	324
5	82	210	131	256	558	1850	630	2480	172	505	294	300
6	81	207	123	247	653	1830	664	2560	192	480	317	272
7	81	205	114	266	730	1790	705	2620	203	457	342	245
8	86	205	106	303	797	1730	755	2650	197	434	333	229
9	97	207	95	305	955	1660	817	2670	177	416	328	219
10	122	212	85	288	1080	1580	890	2650	168	399	327	205
11	137	222	77	258	1210	1510	974	2610	153	385	335	194
12	129	237	71	229	1330	1420	1070	2550	186	370	339	191
13	119	252	68	203	1440	1340	1160	2470	180	355	332	185
14	111	262	67	182	1540	1250	1240	2330	161	335	320	179
15	108	266	66	164	1600	1180	1300	2230	148	309	307	172
16	110	265	66	146	1700	1120	1340	2160	170	286	329	166
17	108	261	68	137	1760	1070	1370	2020	178	260	315	165
18	102	254	67	129	1810	1030	1370	1880	170	226	301	166
19	94	245	67	120	1840	971	1340	1730	170	188	297	166
20	87	234	68	117	1870	915	1320	1570	166	157	316	165
21	81	220	69	118	1900	867	1290	1400	163	133	357	161
22	77	204	70	116	1940	828	1250	1210	173	115	397	155
23	79	188	70	112	1970	774	1250	1040	191	101	424	147
24	105	171	69	109	1990	716	1290	876	204	89	437	139
25	143	154	68	106	2000	658	1370	737	219	80	441	133
26	183	140	66	106	2010	602	1450	655	231	77	443	127
27	212	132	65	108	2010	558	1550	547	245	67	439	122
28	228	119	64	111	1980	513	1650	454	272	56	428	117
29	236	112	63	115	---	473	1760	381	325	53	417	113
30	236	120	63	121	---	447	1880	323	384	52	406	109
31	233	---	64	180	---	441	---	280	---	57	393	---
TOTAL	3850	6193	2612	5129	38160	36803	33739	53873	6025	8353	10466	5942
MEAN	124	206	84.3	165	1363	1187	1125	1738	201	269	338	198
MAX	236	266	137	305	2010	1960	1880	2670	384	510	443	374
MIN	77	112	63	64	250	441	445	280	148	52	81	109
AC-FT	7640	12280	5180	10170	75690	73000	66920	106900	11950	16570	20760	11790

CAL YR 1981 TOTAL 180226 MEAN 494 MAX 1840 MIN 34 AC-FT 357500
WTR YR 1982 TOTAL 211145 MEAN 578 MAX 2670 MIN 52 AC-FT 418800

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.39	3.94	2.90	1.77	4.49	14.65	5.98	13.59	3.73	5.59	1.40	4.65
2	2.21	3.92	2.99	1.80	5.26	14.60	6.13	14.03	3.42	6.00	2.82	4.46
3	2.06	3.87	3.00	2.96	5.95	14.51	6.81	14.45	3.14	6.27	3.78	4.32
4	1.96	3.80	2.99	4.26	6.49	14.37	7.10	14.82	2.92	6.35	4.05	4.14
5	1.88	3.74	2.92	4.64	6.98	14.16	7.33	15.15	2.89	6.31	4.32	3.92
6	1.86	3.71	2.81	4.56	7.55	13.95	7.55	15.41	3.14	6.11	4.55	3.65
7	1.86	3.69	2.67	4.73	8.01	13.79	7.80	15.61	3.28	5.90	4.80	3.40
8	1.97	3.69	2.51	5.07	8.40	13.57	8.11	15.73	3.21	5.69	4.71	3.25
9	2.19	3.71	2.32	5.09	9.33	13.28	8.50	15.76	2.96	5.53	4.66	3.14
10	2.66	3.77	2.13	4.93	10.11	12.95	8.95	15.70	2.83	5.36	4.65	3.01
11	2.91	3.88	1.98	4.66	10.84	12.55	9.43	15.58	2.62	5.23	4.73	2.90
12	2.77	4.05	1.88	4.36	11.54	12.10	9.90	15.39	3.07	5.08	4.77	2.87
13	2.60	4.20	1.82	4.08	12.13	11.62	10.33	15.14	2.99	4.93	4.70	2.82
14	2.46	4.30	1.84	3.82	12.62	11.15	10.68	14.83	2.74	4.73	4.58	2.75
15	2.41	4.35	1.83	3.58	13.00	10.75	10.94	14.47	2.54	4.47	4.45	2.67
16	2.44	4.34	1.83	3.31	13.54	10.43	11.10	14.16	2.84	4.24	4.67	2.62
17	2.39	4.32	1.85	3.16	13.89	10.17	11.22	13.70	2.96	3.98	4.53	2.61
18	2.28	4.26	1.85	3.03	14.06	10.07	11.22	13.21	2.86	3.63	4.39	2.65
19	2.13	4.19	1.84	2.88	14.20	9.78	11.08	12.70	2.86	3.18	4.35	2.67
20	1.97	4.08	1.85	2.83	14.33	9.37	11.01	12.12	2.80	2.76	4.50	2.66
21	1.86	3.94	1.88	2.83	14.44	8.90	10.91	11.44	2.76	2.39	4.88	2.62
22	1.77	3.77	1.90	2.80	14.52	8.59	10.75	10.64	2.90	2.07	5.24	2.54
23	1.83	3.60	1.89	2.74	14.57	8.23	10.74	9.75	3.12	1.80	5.46	2.44
24	2.33	3.39	1.87	2.67	14.56	7.87	10.90	8.86	3.29	1.55	5.55	2.33
25	2.98	3.17	1.85	2.62	14.50	7.50	11.21	8.00	3.46	1.38	5.56	2.25
26	3.52	2.94	1.82	2.61	14.52	7.15	11.55	7.32	3.60	1.32	5.55	2.17
27	3.83	2.83	1.79	2.65	14.65	6.85	11.92	6.56	3.74	1.12	5.46	2.09
28	3.98	2.63	1.76	2.71	14.66	6.53	12.31	5.79	4.01	.86	5.32	2.02
29	4.04	2.52	1.74	2.78	---	6.22	12.71	5.09	4.54	.78	5.16	1.97
30	4.03	2.68	1.74	2.89	---	6.00	13.14	4.52	5.13	.76	5.01	1.91
31	4.00	---	1.77	3.74	---	5.94	---	4.09	---	.88	4.85	---
MAX	4.04	4.35	3.00	5.09	14.66	14.65	13.14	15.76	5.13	6.35	5.56	4.65
MIN	1.77	2.52	1.74	1.77	4.49	5.94	5.98	4.09	2.54	.76	1.40	1.91

07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD --Water years 1957-58, 1964-73, 1976-77, 1981 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT								
15...	0950	204	6.7	21.0	20	25	6.7	1.8
JAN								
27...	1115	202	6.8	6.5	40	20	10.5	1.3
APR								
20...	1235	66	5.8	18.0	120	55	6.7	1.0
JUL								
14...	0930	148	6.5	28.5	100	60	5.6	1.5

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT									
15...	110	1400	67	17	6.0	13	4.0	66	6.4
JAN									
27...	K81	1200	66	15	6.9	14	3.8	68	8.8
APR									
20...	310	2600	21	5.1	1.9	4.9	2.5	13	9.0
JUL									
14...	100	370	45	12	3.7	11	3.2	41	7.0

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT								
15...	13	.1	13	116	112	.30	1.5	.14
JAN								
27...	15	.1	11	125	116	.12	.37	.17
APR								
20...	5.0	<.1	6.0	64	42	.19	.73	.26
JUL								
14...	14	.1	9.7	104	86	.46	1.1	.37

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT											
15...	1	<1	<1	<1	1	<1	6	3	81	1500	1

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
OCT											
15...	<10	260	570	<.1	<.01	7	7	5.2	.03	2	<.10

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT											
15...	<1	<.1	<1	<.01	<.1	<.1	11	.01	23	<.01	30

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT										
15...	.01	8.8	.01	<.1	.01	.5	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT										
15...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT										
15...	<.01	<.1	.02	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
15...	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.01	.04	<.01

< Actual value is known to be less than the value shown.

07364203 BAYOU BARTHOLOMEW NORTHWEST OF JONES, LA

LOCATION.--Lat 32°58'55", long 91°42'00", in SE1/4 NE1/4 sec.13, T.23 N., R.7 E., Morehouse Parish, Hydrologic Unit 08040205, right bank on right bank 0.3 mi (0.5 km) upstream from Overflow Creek, 1.3 mi (2.1 km) south of Arkansas-Louisiana State line, 3.2 mi (5.1 km) northwest of Jones, and 4.0 mi (6.4 km) downstream from gaging station Bayou Bartholomew near Jones (station 07364200).

DRAINAGE AREA.--1,190 mi^2 (3,080 km^2), approximately.

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Unpublished records from October 1959 to September 1973 available in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Altitude of gage is 80 ft or 24 m (from topographic map). Period Dec. 7, 1966, to Sept. 30, 1976, at datum 1.00 ft (0.305 m) lower.

REMARKS.--Large diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins by way of interconnecting system of bayous and drainage ditches and passes station Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (07368000). Other flow bypasses station and reenters the basin 1 mi (2 km) downstream by way of Overflow Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, not determined, occurred during period of no gage-height record in 1974. Maximum gage height since 1974, 23.96 ft (7.303 m) Apr. 25, 1979; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1959 (except possibly in 1979), 26.15 ft (7.977 m), present datum, Apr. 2, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.19 ft (4.020 m) May 9; minimum, -0.57 ft (-0.174 m) July 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1.96	.90	-.10	2.64	12.28	3.96	11.00	1.92	3.50	.04	2.70
2	---	1.93	1.00	-.07	3.42	12.26	4.07	11.42	1.60	3.89	1.13	2.55
3	---	1.85	1.03	1.10	4.06	12.20	4.83	11.81	1.33	4.16	2.13	2.37
4	---	1.79	1.02	2.24	4.54	12.06	5.19	12.17	1.13	4.28	2.46	2.21
5	.02	1.72	.96	2.63	4.95	11.81	5.42	12.49	1.02	4.25	2.70	2.01
6	.00	1.67	.87	2.64	5.45	11.59	5.54	12.75	1.24	4.03	2.94	1.77
7	.01	1.63	.76	3.08	5.88	11.46	5.72	12.95	1.41	3.84	3.22	1.53
8	.15	1.64	.62	3.54	6.25	11.28	5.95	13.09	1.39	3.65	3.11	1.37
9	.33	1.64	.46	3.58	7.17	11.03	6.25	13.15	1.19	3.49	3.02	1.26
10	.72	1.68	.30	3.43	7.95	10.73	6.63	13.13	1.04	3.33	2.96	1.15
11	1.02	1.77	.14	3.18	8.66	10.34	7.05	13.04	.86	3.21	2.97	1.04
12	1.02	1.92	.03	2.90	9.33	9.89	7.49	12.89	1.32	3.08	2.96	1.01
13	.91	2.08	-.04	2.62	9.91	9.41	7.91	12.67	1.25	2.95	2.85	.98
14	.80	2.19	-.04	2.36	10.38	8.95	8.25	12.39	1.05	2.76	2.70	.91
15	.80	2.24	-.05	2.11	10.77	8.57	8.52	12.06	.91	2.54	2.54	.85
16	.92	2.24	-.05	1.73	11.32	8.30	8.71	11.74	1.29	2.33	2.69	.78
17	.87	2.23	-.04	1.57	11.67	8.05	8.84	11.33	1.43	2.14	2.64	.76
18	.73	2.20	-.04	1.35	11.80	8.03	8.88	10.89	1.34	1.84	2.53	.79
19	.55	2.14	-.08	1.13	11.91	7.81	8.77	10.44	1.30	1.44	2.46	.81
20	.40	2.03	-.05	1.08	12.02	7.39	8.75	9.93	1.24	1.05	2.53	.81
21	.29	1.91	-.02	1.08	12.10	6.89	8.72	9.28	1.17	.73	2.81	.79
22	.14	1.76	-.01	1.05	12.14	6.59	8.59	8.53	1.26	.39	3.13	.72
23	.02	1.61	.01	.97	12.14	6.26	8.51	7.67	1.46	.15	3.37	.63
24	.29	1.43	-.02	.87	12.09	5.90	8.60	6.83	1.59	-.05	3.47	.54
25	.87	1.23	-.03	.77	11.99	5.53	8.84	6.03	1.74	-.18	3.49	.46
26	1.41	1.03	-.04	.71	11.99	5.18	9.14	5.42	1.86	-.19	3.49	.38
27	1.75	.89	-.07	.72	12.17	4.90	9.47	4.71	1.94	-.33	3.42	.32
28	1.92	.71	-.10	.76	12.25	4.59	9.83	3.98	2.11	-.50	3.31	.26
29	2.00	.58	-.13	.82	---	4.28	10.19	3.30	2.54	-.51	3.17	.25
30	2.02	.71	-.13	.91	---	4.05	10.59	2.74	3.06	-.56	3.04	.18
31	2.00	---	-.10	1.86	---	3.96	---	2.28	---	-.50	2.91	---
MAX	2.02	2.24	1.03	3.58	12.25	12.28	10.59	13.15	3.06	4.28	3.49	2.70
MIN	.00	.58	-.13	-.10	2.64	3.96	3.96	2.28	.86	-.56	.04	.18

07364535 OUACHITA RIVER AT STERLINGTON, LA

LOCATION.--Lat 32°41'46", long 92°05'12", in NW1/4NW1/4 sec.29, T.20 N., R.4 E., Ouachita - Union Parish line, Hydrologic Unit 08040202, on downstream side of bridge on State Highway 2, at Sterlington.

DRAINAGE AREA.--12,953 mi² (33,551 km²).

PERIOD OF RECORD.--October 1979 to current year (elevations only). Gage-height records since September 25, 1972, in Corps of Engineers files.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 17, 1979, nonrecording gage at same site and datum.

REMARKS.--Considerable regulation by five reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft (3.83 km³) and a series of navigation locks and dams.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 73.15 ft (22.296 m) Apr. 28, 1980; minimum, 52.42 ft (15.978 m) July 27, 1980.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since September 1972, 85.65 ft (26.106 m) May 7, 1973 (from Corps of Engineers records).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 60.95 ft (18.578 m) May 2; minimum, 52.52 ft (16.008 m) Sept. 25.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.66	53.30	53.03	52.70	54.45	59.46	54.59	60.75	54.12	54.48	53.16	52.99
2	52.64	53.33	53.05	52.79	55.13	59.34	54.38	60.93	53.82	54.59	53.26	52.85
3	52.69	53.22	53.11	52.91	55.84	59.28	54.41	60.82	53.24	54.82	53.51	52.94
4	52.75	53.14	53.26	53.00	56.26	59.20	54.77	60.70	53.36	55.03	53.32	52.93
5	52.80	53.18	53.28	53.05	56.56	59.09	55.28	60.65	53.34	55.07	53.15	52.94
6	52.81	53.24	53.29	53.36	56.85	58.97	56.20	60.37	53.34	54.81	53.01	52.98
7	52.67	53.19	53.34	53.56	57.08	58.84	56.53	60.05	53.39	54.23	53.20	52.81
8	52.77	53.18	53.25	53.55	57.30	58.68	56.86	59.66	53.40	53.79	53.10	52.67
9	52.94	53.19	52.98	53.53	57.71	58.54	57.20	59.24	53.40	53.48	53.01	52.64
10	52.88	53.16	52.76	53.36	58.05	58.42	57.50	58.82	53.37	53.36	53.05	52.62
11	52.82	53.11	52.99	53.26	58.34	58.33	57.70	58.37	53.33	53.25	53.07	52.65
12	52.94	52.99	53.06	53.29	58.60	58.24	57.88	57.83	53.51	53.03	53.11	52.88
13	52.94	52.71	53.22	53.28	58.84	58.13	58.15	57.09	53.44	52.84	53.06	52.98
14	52.98	52.83	53.19	53.57	59.05	57.98	58.26	56.57	53.40	52.85	53.13	52.89
15	53.05	53.01	53.15	53.87	59.26	57.83	58.20	56.11	53.41	52.82	53.13	52.72
16	53.10	53.02	53.15	53.79	59.80	57.67	58.15	55.69	53.60	52.81	53.09	52.63
17	53.10	53.00	53.10	53.29	60.14	57.49	58.12	55.30	53.82	52.83	53.06	52.71
18	53.29	53.07	53.02	53.19	60.35	57.28	58.00	54.95	54.14	52.82	52.98	52.86
19	53.97	53.21	53.00	53.11	60.52	57.11	58.02	54.59	54.93	52.77	52.87	52.72
20	54.20	53.23	52.91	53.00	60.61	57.01	58.30	54.14	55.35	52.75	52.93	52.68
21	54.29	53.18	52.84	53.11	60.63	56.97	58.55	53.93	55.83	52.90	52.82	52.68
22	54.25	53.14	52.98	53.14	60.59	57.06	58.28	53.80	56.38	53.05	52.86	52.67
23	53.64	53.04	52.84	53.21	60.48	57.09	58.88	53.62	56.59	53.00	52.88	52.66
24	52.97	52.89	52.84	53.37	60.32	57.09	59.01	53.33	56.68	53.10	52.97	52.61
25	53.07	52.92	52.97	53.91	60.09	57.05	59.25	53.11	56.70	52.91	52.93	52.58
26	53.59	53.02	52.96	54.30	59.91	56.95	59.43	53.16	56.68	53.11	52.87	52.55
27	53.65	53.03	52.93	54.74	59.77	56.75	59.80	53.35	56.26	52.94	52.91	52.55
28	53.48	52.96	52.92	54.90	59.60	56.16	60.08	53.75	55.75	52.76	53.07	52.64
29	53.16	52.91	52.86	54.75	---	56.03	60.40	54.11	55.04	52.92	53.13	52.72
30	53.19	52.95	52.88	54.18	---	55.62	60.61	54.17	54.57	52.94	53.08	52.78
31	53.28	---	52.88	54.22	---	55.00	---	54.16	---	53.05	53.08	---
MAX	54.29	53.33	53.34	54.90	60.63	59.46	60.61	60.93	56.70	55.07	53.51	52.99
MIN	52.64	52.71	52.76	52.70	54.45	55.00	54.38	53.11	53.24	52.75	52.82	52.55

07364740 BAYOU DE LOUTRE NEAR FARMERVILLE, LA

LOCATION.--Lat 32°52'25", long 92°23'40", in NW1/2 sec.29, T.22 N., R.1 E., Union Parish, Hydrologic Unit 08040202, at bridge on State Highway 549 and 7.0 mi (11.3 km) north of Farmerville.

DRAINAGE AREA.--241 mi^2 (624 km^2).

PERIOD OF RECORD --Water years 1981 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT									
14...	1100	122	1940	6.2	19.5	20	2.0	6.4	.4
JAN									
26...	1330	163	1630	6.4	--	30	5.0	10.2	1.4
APR									
21...	1230	246	744	6.1	16.0	80	6.0	6.9	1.0
JUL									
13...	1615	14	1610	6.5	28.5	40	2.0	5.4	.3

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT									
14...	K80	4900	190	58	12	320	4.9	8	55
JAN									
26...	K65	500	150	44	10	260	4.0	11	36
APR									
21...	320	1700	72	20	5.3	130	2.4	15	10
JUL									
13...	K15	390	150	43	9.3	260	3.4	33	10

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT								
14...	570	<.1	14	1120	1040	.28	.81	.04
JAN								
26...	500	<.1	11	1030	872	.27	.31	.03
APR								
21...	200	<.1	11	437	387	.19	.53	.06
JUL								
13...	450	.2	9.4	1010	804	.15	.60	.05

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07364740 BAYOU DE LOUTRE NEAR FARMERVILLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT 14...	1	<1	5	<1	3	<1	2	2	85	4000	2

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
OCT 14...	20	660	580	.1	.03	26	23	9.0	<.01	<1	<.10

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 14...	<1	<.1	<1	<.01	<.1	<.1	16	<.01	<.1	<.01	1.7

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 14...	<.01	.6	<.01	<.1	<.01	.9	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 14...	<.01	<.1	<.01	1.6	<.01	.8	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 14...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 14...	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.01	<.01	.02

< Actual value is known to be less than the value shown.

07364840 LAKE CLAIBORNE NEAR AYCOCK, LA

LOCATION.--Lat 32°44'20", long 92°54'18", in sec.8, T.20 N., R.5 W., Claiborne Parish, Hydrologic Unit 08040206, attached to pier of catwalk to drop inlet structure, 50 ft (15 m) upstream from dam on Bayou D'Arbonne, and 2.0 mi (3.2 km) northeast of Aycock.

DRAINAGE AREA.--133 mi^2 (344 km^2)

PERIOD OF RECORD.--1962 (one discharge measurement). February 1968 to current year (gage heights and miscellaneous discharge measurements only).

GAGE.--Water-stage recorder. Datum of gage is 176.00 ft (53.645 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Deprtment of Transportation and Development, Office of Public Works).

REMARKS.--Reservoir is formed by an earthfill dam, containing an uncontrolled concrete drop inlet spillway near the left end of dam. Outflow below spillway elevation is controlled by two 8- by 8-ft (2.4- by 2.4-m) sluice gates in upstream face of drop inlet. Invert of sluice gates at -24.75 ft (-7.544 m), gage datum. Capacity, 100,000 acre-ft (123 hm^3) to 9.0 ft (2.74 m), gage datum. Dam completed and storage began in 1966. Reservoir is used for flood control and conservation. Gates were closed all year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.03 ft (3.667 m) May 5, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.85 ft (1.783 m) June 30; minimum, 1.80 ft (0.549 m) Oct. 5, 6.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.99	---	2.23	2.22	3.08	4.48	5.11	5.48	5.50	5.81	5.39	5.08
2	1.80	---	2.23	2.20	3.12	4.51	5.13	5.48	5.47	5.81	5.50	5.06
3	1.83	---	2.23	2.24	3.14	4.53	5.15	5.48	5.46	5.80	5.50	5.06
4	1.81	---	2.23	2.37	3.18	4.57	5.13	5.47	5.50	5.78	5.49	5.03
5	1.81	---	2.22	2.36	3.20	4.59	5.17	5.47	5.49	5.77	5.48	5.00
6	1.80	---	2.22	2.38	3.27	4.66	5.15	5.45	5.47	5.75	5.46	4.98
7	1.84	---	2.22	2.39	3.30	4.70	5.13	5.53	5.47	5.74	5.44	4.96
8	2.00	---	2.22	2.38	3.32	4.72	5.14	5.51	5.45	5.71	5.43	4.94
9	2.00	---	2.22	2.38	3.49	4.73	5.15	5.50	5.43	5.70	5.42	4.92
10	2.12	---	2.21	2.38	3.58	4.76	5.15	5.49	5.42	5.68	5.40	4.90
11	2.13	---	2.19	2.37	3.63	4.77	5.16	5.48	5.46	5.66	5.39	4.87
12	2.11	---	2.19	2.36	3.67	4.80	5.16	5.46	5.52	5.65	5.38	4.89
13	2.12	---	2.19	2.42	3.69	4.84	5.16	5.44	5.51	5.63	5.37	4.87
14	2.12	---	2.22	2.46	3.71	4.85	5.16	5.47	5.49	5.61	5.37	4.86
15	2.12	---	2.21	2.46	3.74	4.87	5.16	5.45	5.48	5.61	5.36	4.86
16	2.19	---	2.21	2.47	3.87	4.90	5.17	5.45	5.62	5.60	5.34	4.86
17	2.27	---	2.23	2.47	3.96	4.91	5.23	5.44	5.65	5.60	5.32	4.85
18	2.22	---	2.21	2.48	4.02	4.93	5.21	5.44	5.67	5.58	5.32	4.83
19	2.21	2.15	2.20	2.50	4.05	4.95	5.21	5.46	5.68	5.57	5.29	4.81
20	2.19	2.14	2.19	2.52	4.08	4.96	5.30	5.45	5.67	5.55	5.27	4.83
21	2.22	2.11	2.21	2.54	4.10	4.95	5.37	5.45	5.67	5.53	5.26	4.80
22	2.20	2.09	2.20	2.62	4.12	5.04	5.39	5.45	5.71	5.51	5.24	4.77
23	2.19	2.08	2.25	2.70	4.14	5.06	5.40	5.43	5.71	5.49	5.23	4.75
24	2.21	2.10	2.24	2.72	4.16	5.07	5.39	5.42	5.71	5.47	5.22	4.73
25	2.23	2.09	2.23	2.73	4.16	5.09	5.43	5.54	5.69	5.45	5.19	4.72
26	2.21	2.09	2.22	2.74	4.24	5.08	5.48	5.55	5.77	5.43	5.16	4.70
27	2.21	2.11	2.23	2.75	4.38	5.05	5.47	5.57	5.76	5.42	5.14	4.68
28	2.26	2.09	2.27	2.76	4.43	5.08	5.46	5.56	5.77	5.40	5.11	4.66
29	2.20	2.10	2.22	2.77	---	5.07	5.47	5.55	5.78	5.40	5.10	4.65
30	2.23	2.16	2.21	2.79	---	5.07	5.48	5.54	5.81	5.40	5.10	4.64
31	---	---	2.22	3.02	---	5.10	---	5.52	---	5.38	5.09	---
MAX	2.27	---	2.27	3.02	4.43	5.10	5.48	5.57	5.81	5.81	5.50	5.08
MIN	1.80	2.08	2.19	2.20	3.08	4.48	5.11	5.42	5.42	5.38	5.09	4.64

07364890 BAYOU D'ARBONNE NEAR HICO, LA

LOCATION.--Lat 32°42'00", long 92°44'35", on line between secs.25 and 26, T.20 N., R.4 W., Lincoln Parish, Hydrologic Unit 08040206, in center of low-water channel on the downstream side of the bridge on Parish Road 271, 3.6 mi (5.8 km) southwest of Hico.

DRAINAGE AREA.--254 mi^2 (658 km^2).

PERIOD OF RECORD.--March 1980 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 110 ft (34 m), from topographic map.

REMARKS.--Flow regulated by Lake Claiborne (station 07364840), 10 mi (16 km) upstream. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,500 ft^3/s (99.1 m^3/s) Apr. 14, 1980, gage height, 13.87 ft (4.228 m); no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 466 ft^3/s (13.2 m^3/s) Feb. 9, gage height, 6.11 ft (1.862 m); no flow Oct. 1-8, 10, Sept. 2-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	4.4	6.8	22	201	179	34	20	2.5	69	16	.05
2	.00	4.4	6.5	24	90	139	31	17	2.2	26	20	.00
3	.00	4.0	5.5	41	62	118	30	15	2.1	14	19	.00
4	.00	3.7	3.2	63	52	104	27	14	2.0	8.9	15	.00
5	.00	3.0	1.8	31	41	89	27	12	2.2	7.0	13	.00
6	.00	2.8	1.9	17	61	102	39	13	2.0	5.7	12	.00
7	.00	3.7	2.7	11	86	186	28	12	2.1	4.8	11	.00
8	.00	3.0	2.7	9.0	77	144	23	11	2.1	4.5	10	.00
9	.05	2.5	3.1	7.5	373	109	21	9.6	2.0	3.9	9.2	.00
10	.00	2.2	3.3	6.8	372	92	20	8.5	2.1	3.6	7.6	.00
11	4.6	2.0	3.2	5.4	211	84	18	7.0	2.0	3.3	7.4	.00
12	10	1.8	3.9	8.8	152	77	18	6.0	2.0	2.6	5.7	.00
13	9.0	1.6	5.1	12	116	71	16	5.0	5.7	1.9	5.4	.00
14	7.4	1.4	11	14	96	64	16	7.0	7.8	1.6	5.5	.00
15	6.9	1.2	12	18	96	58	16	6.0	6.6	1.5	5.4	.00
16	4.3	1.0	13	26	298	53	14	5.0	14	1.4	4.6	.00
17	4.8	.90	15	37	381	48	16	4.0	90	3.2	4.8	.00
18	5.7	.80	12	29	227	43	15	5.0	24	2.4	5.3	.00
19	3.9	.70	12	27	158	39	20	7.0	10	1.8	4.4	.00
20	2.7	.60	14	24	122	34	99	6.0	7.8	1.6	3.6	.00
21	1.9	.50	16	24	102	37	196	5.0	7.4	1.6	2.5	.00
22	2.7	.45	19	37	86	113	138	4.0	18	1.4	1.7	.00
23	2.9	.45	18	59	70	161	78	3.5	19	.76	1.4	.00
24	2.6	.42	20	46	63	108	52	3.0	10	.53	.98	.00
25	2.9	.40	21	35	46	97	52	4.0	7.7	.43	.75	.00
26	3.8	1.5	22	27	129	68	57	6.0	169	.33	.50	.00
27	3.3	4.1	22	22	357	52	40	5.0	232	.23	.30	.00
28	3.1	5.2	23	18	258	45	27	4.0	53	2.0	.10	.00
29	3.0	4.7	22	26	---	42	22	3.5	67	11	.05	.00
30	3.4	6.0	22	16	---	38	21	3.0	119	11	.03	.00
31	3.2	---	23	164	---	37	---	2.8	---	10	.23	---
TOTAL	91.65	69.42	366.7	907.5	4383	2621	1211	233.9	891.3	207.98	193.44	.05
MEAN	2.96	2.31	11.8	29.3	157	84.5	40.4	7.55	29.7	6.71	6.24	.002
MAX	10	6.0	23	164	381	186	196	20	232	69	20	.05
MIN	.00	.40	1.9	5.4	41	34	14	2.8	2.0	.23	.03	.00
AC-FT	182	138	727	1800	8690	5200	2400	464	1770	413	384	.10

CAL YR 1981 TOTAL 11268.04 MEAN 30.9 MAX 695 MIN .00 AC-FT 22350
WTR YR 1982 TOTAL 11176.94 MEAN 30.6 MAX 381 MIN .00 AC-FT 22170

07364890 BAYOU D'ARBONNE NEAR HICO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.40	1.03	1.33	1.91	3.47	3.09	1.41	1.20	---	2.03	.95	.33
2	.40	1.03	1.37	1.94	2.27	2.55	1.37	1.13	---	1.45	---	.30
3	.40	1.01	1.39	2.08	1.94	2.41	1.35	1.08	---	1.14	1.01	.27
4	.40	1.00	1.34	2.23	1.82	2.26	1.29	1.02	---	.98	.92	.26
5	.40	.96	1.27	1.86	1.59	2.00	1.30	.97	---	.90	.86	.22
6	.40	.95	1.27	1.56	1.93	2.24	1.49	1.01	---	.84	.84	.18
7	.40	.99	1.32	1.37	2.23	3.17	1.31	.96	.56	.80	.83	.15
8	.41	.98	1.32	1.30	2.12	2.70	1.22	.92	.56	.79	.80	.11
9	.53	.99	1.34	1.24	5.16	2.31	1.18	.88	.55	.76	.76	.07
10	.51	1.04	1.35	1.21	5.17	2.13	1.15	.83	.55	.74	.70	.06
11	.81	1.01	1.34	1.15	3.46	2.03	1.11	---	.55	.73	.71	.06
12	1.05	1.01	1.38	1.24	2.80	1.96	1.09	---	.55	.69	.64	.11
13	.96	1.00	1.43	1.36	2.40	1.88	1.05	---	.72	.65	.63	.03
14	.93	1.01	1.59	1.40	2.16	1.79	1.05	---	.82	.69	.65	.02
15	.91	.98	1.61	1.47	2.05	1.72	1.03	---	.77	.71	.65	.02
16	.82	.99	1.63	1.64	4.37	1.66	.99	---	1.00	.71	.62	.02
17	.92	1.02	1.70	1.82	5.26	1.60	1.03	---	2.16	.79	.63	.02
18	1.05	1.02	1.60	1.69	3.64	1.54	1.02	---	1.27	.74	.66	.01
19	.98	1.07	1.61	1.65	2.86	1.49	1.11	---	.93	.71	.62	.01
20	.95	1.03	1.67	1.60	2.45	1.41	2.19	---	.82	.69	.59	.04
21	.88	.98	1.73	1.60	2.23	1.45	3.32	---	.80	.68	.54	.01
22	.93	.98	1.84	1.79	2.06	2.35	2.69	---	1.10	.66	.51	.01
23	.94	1.30	1.79	2.08	1.67	2.49	2.01	---	1.19	.62	.49	.01
24	.93	.99	1.84	1.93	1.78	2.31	1.70	---	.92	.59	.46	.01
25	.95	.82	1.87	1.79	1.69	2.06	1.69	---	.82	.54	.44	.01
26	.99	.84	1.89	1.66	2.52	1.84	1.75	---	2.97	.48	---	.01
27	.97	.97	1.90	1.55	5.02	1.64	1.55	---	3.74	.46	---	.01
28	.95	1.09	1.93	1.45	3.98	1.56	1.35	---	1.79	.56	---	.01
29	.95	1.12	1.90	1.56	---	1.52	1.25	---	1.98	.85	---	.01
30	.98	1.24	1.89	1.37	---	1.48	1.22	---	2.58	.85	---	.01
31	.97	---	1.92	3.08	---	1.46	---	---	---	.80	.39	---
MAX	1.05	1.30	1.93	3.08	5.26	3.17	3.32	1.20	3.74	2.03	---	.33
MIN	.40	.82	1.27	1.15	1.59	1.41	.99	---	---	.46	---	.01

07366000 CORNEY BAYOU NEAR LILLIE, LA

LOCATION.--Lat 32°53'15", long 92°39'25", in NE1/4 sec.22, T.22 N., R.3 W., Union Parish, Hydrologic Unit 08040206, at bridge on U.S. Highway 167 and 3.0 mi (4.8 km) south of Lillie.

DRAINAGE AREA.--462 mi^2 (1197 km^2).

PERIOD OF RECORD.--Water years 1944, 1955-57, 1960-61, 1968-73, 1981 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT									
14...	0830	E.00	148	5.8	19.0	30	10	5.5	.3
JAN									
26...	0945	279	316	5.8	7.5	10	4.0	11.1	1.9
APR									
21...	1030	360	402	5.5	17.5	15	3.0	7.6	.6
JUL									
13...	1500	23	246	5.6	28.0	70	5.0	4.0	1.5

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT									
14...	K25	400	26	7.2	1.9	18	2.0	8	5.4
JAN									
26...	K45	490	47	14	2.9	35	3.3	2	6.0
APR									
21...	600	2600	63	18	4.3	47	2.7	3	6.0
JUL									
13...	K60	--	40	12	2.5	26	1.8	7	5.0

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT								
14...	31	<.1	11	90	82	.10	.76	.02
JAN								
26...	84	<.1	5.5	232	152	.02	.40	.03
APR								
21...	110	<.1	10	251	200	<.10	.28	.03
JUL								
13...	60	<.1	11	186	122	.14	.6	.04

< Actual value is known to be less than the value shown.
E Estimated.
K Results based on colony count outside the acceptable range (non-ideal count).

07366000 CORNEY BAYOU NEAR LILLIE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT											
14...	1	<1	<1	<1	<1	<1	4	3	140	660	2

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
OCT											
14...	10	540	480	<.1	.04	19	33	8.2	<.01	1	<.1

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
14...	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	.2	<.01	<.1

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
14...	<.01	.2	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
14...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
14...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
14...	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.01	<.01	<.01

< Actual value is known to be less than the value shown.

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA

LOCATION.--Lat 32°55'45", long 92°37'58", in SE1/4NW1/4 sec.1, T.22 N., R.3 W., Union Parish, Hydrologic Unit 08040206, left bank on downstream side of bridge on State Highway 15, 1.4 mi (2.3 km) east of Lillie, and 2.6 mi (4.2 km) upstream from mouth.

DRAINAGE AREA.--208 mi^2 (539 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1955 to current year.

REVISED RECORDS.--WDR LA-79-1: 1978(M).

GAGE.--Water-stage recorder. Datum of gage is 91.48 ft (27.883 m) National Geodetic Vertical Datum of 1929. October 1955 to Jan. 26, 1956, nonrecording gage, Jan. 27, 1956, to May 31, 1978, water-stage recorder, at site 500 ft (152 m) downstream at same datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--27 years, 184 ft^3/s (5.211 m^3/s), 12.01 in/yr (305 mm/yr), 133,300 acre-ft/yr (164 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,000 ft^3/s (680 m^3/s) June 9, 1974, gage height, 17.54 ft (5.346 m), from floodmark; no flow Aug. 18-20, Sept. 21 to Oct. 1, Oct. 3-5, 1956, Aug. 11-14, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 479 ft^3/s (13.6 m^3/s) June 22, gage height, 6.43 ft (1.960 m); no peak above base of 1,200 ft^3/s (34 m^3/s); minimum discharge, 0.25 ft^3/s (0.007 m^3/s) Oct. 6, gage height, 1.41 ft (0.430 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.47	28	165	31	209	285	38	30	17	141	46	7.4
2	.58	34	89	32	212	264	42	27	12	158	42	5.1
3	.39	34	59	43	222	203	74	25	8.5	125	23	4.1
4	.39	30	47	76	230	105	138	22	13	166	13	3.7
5	.32	27	39	73	164	80	179	20	24	199	8.7	3.2
6	.75	25	34	63	113	80	210	18	21	67	6.5	3.0
7	3.1	22	30	55	119	104	175	19	15	33	5.2	2.8
8	25	20	29	49	115	121	87	28	12	23	4.4	2.2
9	53	18	28	44	280	123	57	27	9.6	18	4.5	2.0
10	77	18	28	40	351	103	50	29	7.7	16	5.1	1.6
11	75	17	26	36	334	74	45	27	5.8	14	4.8	1.5
12	60	16	25	35	312	64	41	22	6.7	18	18	1.7
13	44	16	26	37	320	59	37	18	18	11	15	1.4
14	30	16	28	40	297	56	34	15	16	8.4	8.6	1.0
15	22	17	32	43	151	53	32	13	12	7.2	6.3	1.8
16	19	17	34	57	172	51	31	11	27	6.6	5.6	3.6
17	32	18	33	53	269	54	53	10	69	5.9	4.8	3.6
18	56	19	35	60	255	61	125	9.0	87	5.1	4.3	3.2
19	62	19	34	59	237	53	66	18	113	5.0	4.4	2.6
20	56	18	33	60	219	49	85	22	188	4.1	3.9	3.3
21	51	18	32	62	132	47	230	15	339	3.5	3.2	6.0
22	39	18	34	65	62	67	261	13	460	2.3	2.9	4.6
23	30	18	36	75	69	71	210	18	347	2.3	2.5	3.8
24	25	19	37	93	61	65	116	17	136	2.3	2.8	3.0
25	22	20	36	109	56	59	65	15	136	1.6	2.4	2.5
26	25	21	34	119	94	52	58	16	89	1.4	2.9	2.4
27	37	21	33	90	276	45	53	42	67	1.3	2.5	2.2
28	42	21	33	65	313	40	46	49	107	2.0	3.3	2.1
29	40	41	32	54	---	36	39	41	141	11	6.3	1.7
30	37	151	31	51	---	34	34	32	143	15	15	1.3
31	31	---	30	116	---	34	---	24	---	10	10	---
TOTAL	996.00	777	1221	1895	5664	2592	2711	692.0	2647.3	1084.0	287.9	88.4
MEAN	32.1	25.9	39.4	61.1	202	83.6	90.4	22.3	88.2	35.0	9.29	2.95
MAX	77	151	165	119	351	285	261	49	460	199	46	7.4
MIN	.32	16	25	31	56	34	31	9.0	5.8	1.3	2.4	1.0
CFSM	.15	.13	.19	.29	.97	.40	.44	.11	.42	.17	.05	.01
IN.	.18	.14	.22	.34	1.01	.46	.48	.12	.47	.19	.05	.02
AC-FT	1980	1540	2420	3760	11230	5140	5380	1370	5250	2150	571	175

CAL YR 1981 TOTAL 41870.44 MEAN 115 MAX 5420 MIN .32 CFSM .55 IN 7.49 AC-FT 83060
WTR YR 1982 TOTAL 20655.60 MEAN 56.6 MAX 460 MIN .32 CFSM .27 IN 3.69 AC-FT 40970

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.49	3.22	5.29	3.17	5.29	5.62	3.52	3.26	2.78	4.97	3.67	2.45
2	1.53	3.41	4.78	3.19	5.29	5.53	3.66	3.15	2.53	5.06	3.53	2.30
3	1.47	3.44	4.33	3.56	5.33	5.22	4.40	3.07	2.38	4.87	2.87	2.23
4	1.46	3.31	3.96	4.40	5.36	4.63	5.05	2.98	2.58	5.10	2.45	2.19
5	1.44	3.20	3.67	4.37	5.01	4.38	5.26	2.89	3.03	5.27	2.26	2.15
6	1.57	3.10	3.50	4.16	4.70	4.37	5.42	2.80	2.92	4.09	2.13	2.13
7	1.85	2.99	3.40	3.96	4.75	4.71	5.24	2.85	2.70	3.22	2.04	2.11
8	2.99	2.91	3.34	3.75	4.71	4.94	4.62	3.20	2.55	2.88	1.99	2.05
9	3.95	2.86	3.29	3.61	5.58	4.95	4.15	3.16	2.44	2.70	2.00	2.02
10	4.49	2.83	3.30	3.48	5.89	4.82	3.92	3.22	2.34	2.60	2.04	1.97
11	4.48	2.81	3.21	3.33	5.82	4.50	3.75	3.17	2.22	2.50	2.02	1.96
12	4.17	2.78	3.14	3.31	5.73	4.31	3.61	2.96	2.27	2.66	2.65	1.98
13	3.68	2.77	3.18	3.38	5.76	4.19	3.47	2.79	2.80	2.40	2.56	1.94
14	3.23	2.76	3.24	3.45	5.67	4.10	3.38	2.68	2.73	2.25	2.25	1.87
15	2.94	2.80	3.36	3.55	4.93	4.03	3.33	2.61	2.54	2.18	2.12	1.97
16	2.82	2.80	3.38	4.01	5.05	3.97	3.27	2.53	3.12	2.14	2.07	2.28
17	3.31	2.83	3.38	4.18	5.55	4.05	3.90	2.46	4.41	2.09	2.02	2.31
18	4.13	2.88	3.43	4.10	5.48	4.24	4.97	2.40	4.68	2.04	1.99	2.30
19	4.31	2.88	3.39	4.07	5.39	4.01	4.34	2.82	4.90	2.03	1.99	2.27
20	4.15	2.84	3.35	4.11	5.30	3.89	4.56	2.96	5.27	1.97	1.95	2.35
21	4.00	2.83	3.34	4.15	4.82	3.81	5.51	2.69	5.89	1.91	1.89	2.69
22	3.61	2.83	3.39	4.21	4.40	4.35	5.66	2.58	6.36	1.79	1.86	2.60
23	3.30	2.84	3.43	4.39	4.21	4.45	5.42	2.79	5.92	1.80	1.82	2.54
24	3.11	2.90	3.47	4.63	4.04	4.35	4.89	2.75	4.93	1.79	1.85	2.47
25	3.00	2.94	3.41	4.76	3.91	4.19	4.34	2.70	4.94	1.71	1.81	2.42
26	3.10	2.98	3.34	4.83	4.37	3.97	4.17	2.74	4.50	1.67	1.86	2.41
27	3.53	2.96	3.29	4.58	5.57	3.76	4.03	3.64	4.23	1.66	1.82	2.39
28	3.69	2.96	3.28	4.21	5.73	3.57	3.80	3.90	4.74	1.74	1.89	2.38
29	3.63	3.63	3.23	3.95	---	3.47	3.56	3.63	4.97	2.28	2.19	2.32
30	3.54	5.18	3.19	3.85	---	3.39	3.41	3.34	4.98	2.55	2.72	2.25
31	3.32	---	3.16	4.71	---	3.39	---	3.04	---	2.31	2.58	---
MAX	4.49	5.18	5.29	4.83	5.89	5.62	5.66	3.90	6.36	5.27	3.67	2.69
MIN	1.44	2.76	3.14	3.17	3.91	3.39	3.27	2.40	2.22	1.66	1.81	1.87

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD --Water years 1957-58, 1966-70, 1981 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT								
14...	1000	557	5.7	19.0	20	4.0	6.5	.8
JAN								
26...	1130	863	5.8	7.0	20	5.0	10.3	1.4
APR								
21...	1000	162	5.6	15.5	100	9.0	6.6	1.8
JUL								
13...	1415	278	6.3	26.5	50	4.0	3.4	2.3

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT									
14...	210	5100	100	29	6.6	65	3.6	4	25
JAN									
26...	160	400	130	39	7.9	95	3.5	4	6.0
APR									
21...	K800	2700	27	7.8	1.9	18	1.7	6	6.0
JUL									
13...	150	--	47	14	3.0	28	2.2	16	4.0

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT								
14...	160	<.1	16	332	307	.07	1.0	.03
JAN								
26...	240	.1	15	498	408	.06	.76	.03
APR								
21...	36	<.1	13	129	90	.11	.71	.10
JUL								
13...	67	.1	14	215	142	.21	.50	.09

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT											
14...	1	0	<1	<1	1	<1	8	<1	170	1100	1

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
OCT											
14...	<10	900	240	<.1	.07	34	6	7.2	<.01	<1	<.10

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
14...	<1	<.1	<1	<.01	<.1	<.1	2	<.01	.9	<.01	.3

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
14...	<.01	.4	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
14...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
14...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
14...	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.01	<.01	<.01

< Actual value is known to be less than the value shown.

07366300 BAYOU D'ARBONNE LAKE AT FARMERVILLE, LA

LOCATION.--Lat 32°45'25", long 92°24'50", in NW1/4NW1/4 sec.6, T.20 N., R.1 E., Union Parish, Hydrologic Unit 08040206, near right bank on downstream side of bridge on State Highway 33, 0.6 mi (1.0 km) southwest of Farmerville, and 5.0 mi (8.0 km) upstream from dam on Bayou D'Arbonne.

DRAINAGE AREA.--1,607 mi^2 (4,162 km^2) at dam, 1,470 mi^2 (3,807 km^2) at site.

PERIOD OF RECORD.--December 1964 to current year (gage heights and miscellaneous discharge measurements only). August 1925 to current year in reports of Corps of Engineers, Vicksburg district. Published as Lake D'Arbonne at Farmerville, December 1964 to September 1968.

REVISED RECORDS.--WRD LA-71: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 40.40 ft (12.314 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Reservoir is formed by an earthfill dam containing a 799-ft (244-m) uncontrolled concrete spillway at left end. Capacity, 130,000 acre-ft (160 hm^3) at spillway crest, 39.60 ft (12.07 m), gage datum. There is no dead storage. Outflow below spillway crest controlled by four 5- by 5-ft (1.5- by 1.5-m) sluice gates at outlet. Invert elevation of sluice gates at 17.6 ft (5.36 m) gage datum. Dam complete and storage began in 1964. Reservoir is used for flood control, conservation, and recreation. Gates were closed during the water year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 45.43 ft (13.847 m) June 11, 1974.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1925, 45.71 ft (13.932 m) Apr. 30, 1958, (from Corps of Engineers records).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 40.97 ft (12.488 m) Feb. 18; minimum, 39.28 ft (11.973 m) Oct. 5.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.37	39.94	40.01	39.96	40.34	40.64	40.24	40.31	39.99	40.53	39.86	39.73
2	39.34	40.01	40.01	39.95	40.37	40.63	40.25	40.27	39.96	40.54	39.96	39.71
3	39.32	40.02	40.03	40.07	40.38	40.61	40.24	40.24	39.95	40.51	39.96	39.71
4	39.29	40.02	40.04	40.14	40.35	40.60	40.21	40.20	40.00	40.48	39.96	39.67
5	39.29	40.01	40.04	40.16	40.38	40.55	40.27	40.17	39.97	40.45	39.94	39.65
6	39.29	40.00	40.05	40.16	40.43	40.54	40.25	40.13	39.95	40.40	39.92	39.63
7	39.33	39.98	40.05	40.15	40.43	40.55	40.26	40.11	39.96	40.34	39.93	39.61
8	39.46	39.97	40.04	40.13	40.45	40.55	40.29	40.07	39.94	40.26	39.92	39.60
9	39.49	39.95	40.03	40.12	40.64	40.53	40.28	40.06	39.92	40.25	39.90	39.57
10	39.57	39.92	40.01	40.09	40.72	40.50	40.27	40.04	39.90	40.18	39.89	39.55
11	39.59	39.92	40.00	40.08	40.77	40.48	40.25	40.03	39.90	40.12	39.87	39.54
12	39.61	39.91	39.99	---	40.74	40.47	40.22	40.02	39.97	40.08	39.97	39.60
13	39.61	39.91	39.99	---	40.68	40.45	40.20	40.02	39.96	40.04	39.97	39.59
14	39.62	39.90	40.01	---	40.65	40.42	40.19	40.04	39.94	40.01	39.96	39.58
15	39.63	39.89	40.00	---	40.64	40.42	40.16	40.03	39.92	39.98	39.93	39.56
16	39.68	39.89	39.98	---	40.82	40.42	40.15	40.02	40.04	39.94	39.91	39.55
17	39.72	39.89	40.00	---	40.92	40.40	40.20	40.00	40.08	39.98	39.90	39.55
18	39.76	39.88	39.97	---	40.97	40.37	40.15	39.98	40.10	39.95	39.89	39.53
19	39.75	39.89	39.96	---	40.92	40.35	40.16	40.01	40.11	39.93	39.87	39.51
20	39.76	39.84	39.95	---	40.83	40.32	40.23	40.01	40.11	39.91	39.85	39.51
21	39.77	39.82	39.98	---	40.75	40.28	40.38	40.00	40.14	39.88	39.84	39.50
22	39.81	39.81	39.99	---	40.68	40.34	40.52	39.99	40.24	39.87	39.82	39.47
23	39.84	39.81	39.97	---	40.61	40.37	40.60	39.97	40.34	39.86	39.83	39.45
24	39.84	39.82	39.96	---	40.55	40.40	40.61	40.02	40.46	39.83	39.80	39.43
25	39.87	39.81	39.97	---	40.48	40.40	40.61	40.01	40.53	39.81	39.78	39.42
26	39.91	39.81	39.97	---	40.47	40.35	40.59	40.03	40.72	39.79	39.76	39.40
27	39.89	39.87	39.97	---	40.56	40.30	40.53	40.06	40.66	39.78	39.74	39.38
28	39.90	39.86	39.96	---	40.63	40.29	40.46	40.05	40.61	39.76	39.71	39.37
29	39.91	39.87	39.95	40.23	---	40.27	40.41	40.06	40.59	39.82	39.75	39.35
30	39.91	39.94	39.94	40.24	---	40.25	40.35	40.05	40.53	39.81	39.75	39.35
31	39.92	---	39.96	40.35	---	40.26	---	40.04	---	39.81	39.74	---
MAX	39.92	40.02	40.05	40.35	40.97	40.64	40.61	40.31	40.72	40.54	39.97	39.73
MIN	39.29	39.81	39.94	39.95	40.34	40.25	40.15	39.97	39.90	39.76	39.71	39.35

07366472 CHAUVIN BAYOU NEAR MONROE, LA

LOCATION.--Lat 32°33'34", long 92°04'31", in NE1/4NE1/4 lot 43, T.18 N., R.4 E., Ouachita Parish, Hydrologic Unit 08040207, on downstream end of culvert on U.S. Highway 165, 2.5 mi (4.0 km) north of Sherrouse School at Monroe, and 4.0 mi (6.4 km) upstream from mouth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--November 1977 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of the gage is 31.17 ft (9.501 m) National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 38.70 ft (11.796 m) Mar. 10-12, 1979; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 32.10 ft (9.784 m) Feb. 16; minimum, 29.40 ft (8.961 m) Aug. 27, 28, 29.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.67	29.69	29.95	29.72	30.49	30.17	30.14	---	29.81	31.68	29.67	29.43
2	29.64	30.30	29.81	29.67	30.03	30.06	30.30	---	29.76	31.46	30.28	29.42
3	29.62	30.03	29.75	30.02	29.81	30.01	30.11	---	29.70	31.13	30.22	29.44
4	29.63	29.95	29.73	30.05	29.71	29.88	29.90	---	29.92	30.97	30.16	29.62
5	29.66	29.84	29.78	29.85	29.62	29.92	30.25	---	29.81	30.92	30.12	29.67
6	29.67	29.76	29.74	29.73	30.11	29.88	30.50	---	30.27	30.68	30.10	29.65
7	29.73	29.70	29.72	29.81	29.86	30.49	30.52	---	30.17	30.16	30.15	29.63
8	30.11	29.66	29.70	29.78	29.73	30.44	30.51	---	29.78	30.43	29.75	29.58
9	29.96	29.64	29.67	29.74	31.04	30.11	30.49	---	29.72	30.54	29.70	29.55
10	29.96	29.62	29.65	29.69	30.52	29.88	30.51	---	29.64	30.05	29.61	29.52
11	29.88	29.61	29.65	29.65	30.21	29.81	30.49	---	30.31	29.68	29.55	29.50
12	29.84	29.60	29.64	29.66	30.00	29.77	30.48	---	30.80	30.30	29.54	29.80
13	29.81	29.59	29.64	30.00	29.89	29.77	30.51	---	30.65	30.29	29.48	29.67
14	29.79	29.59	30.00	29.91	29.83	29.74	30.51	29.90	30.62	30.38	29.51	29.62
15	29.77	29.60	29.90	29.88	29.84	29.73	30.53	29.89	30.47	30.06	29.49	29.57
16	29.76	29.61	29.80	30.19	32.06	29.71	29.52	29.85	31.29	29.66	29.53	29.54
17	30.12	29.60	29.77	30.09	31.65	29.69	29.52	29.83	31.00	29.57	29.51	29.54
18	30.07	29.60	29.71	29.88	31.15	29.67	29.52	29.78	30.85	29.53	29.51	29.52
19	29.89	29.61	29.67	30.34	30.83	29.65	29.52	29.99	30.73	29.50	29.49	29.50
20	29.82	29.65	29.64	29.88	30.63	29.62	29.91	29.90	30.68	29.49	29.47	29.50
21	29.77	29.64	29.67	30.31	30.46	29.60	30.49	29.80	30.72	29.86	29.44	29.52
22	29.74	29.64	29.70	30.14	30.22	30.44	29.86	29.78	31.95	29.76	29.44	29.51
23	29.87	29.65	29.77	30.05	29.99	30.36	29.64	29.76	31.34	29.70	29.43	29.48
24	29.77	29.67	30.10	29.85	29.87	30.13	29.53	29.90	31.16	30.17	29.44	29.55
25	29.77	29.64	30.27	29.74	29.83	29.97	---	30.54	30.98	30.58	29.44	29.61
26	30.35	29.64	30.26	29.71	29.99	29.87	---	30.33	30.97	30.35	29.42	29.53
27	29.98	29.68	30.24	29.65	30.54	30.03	---	30.40	31.04	29.76	29.40	29.51
28	29.87	29.68	30.21	29.62	30.37	29.96	---	30.30	31.00	29.55	29.42	29.52
29	29.90	29.68	30.00	29.61	---	29.71	---	30.13	31.37	29.60	29.41	29.51
30	29.74	30.05	29.77	29.60	---	29.65	---	29.98	31.13	29.61	29.41	29.49
31	29.70	---	29.83	30.81	---	30.22	---	29.88	---	29.54	29.43	---
MAX	30.35	30.30	30.27	30.81	32.06	30.49	30.53	30.54	31.95	31.68	30.28	29.80
MIN	29.62	29.59	29.64	29.60	29.62	29.60	---	29.76	29.64	29.49	29.40	29.42

07367630 OUACHITA RIVER AT COLUMBIA LOCK AND DAM, NEAR RIVERTON, LA

LOCATION.--Lat 32°10'00", long 92°06'45", on line between NE1/4 and SE1/4 sec.25, T.14 N., R.3 E., Caldwell Parish, Hydrologic Unit 08040207, near left bank on upstream end of lock wall of Columbia Lock and Dam on the Ouachita River, 1.0 mi (1.6 km) northwest of Riverton, and 4.0 mi (6.4 km) northwest of Columbia.

DRAINAGE AREA.--15,630 mi^2 (40,482 km^2).

PERIOD OF RECORD.--October 1975 to current year. Gage-height records, April 1972 to December 1975, in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage and gage-position recorders, a broad-crested weir and four radial gates. Datum of gage is 23.91 ft (7.288 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to October 1981, water-stage recorder for Ouachita River at Columbia (station 07367640) used as auxiliary gage for this station.

REMARKS.--Records good. Considerable regulation by five reservoirs in Arkansas and two reservoirs in Louisiana, combined capacity, 3,337,880 acre-ft (4.12 km^3), and a series of navigation locks and dams.

AVERAGE DISCHARGE.--7 years, 15,030 ft^3/s (426 m^3/s), 10,888,000 acre-ft/yr (13.4 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 71,000 ft^3/s (2,010 m^3/s), May 13, 1979, tailwater gage height, 43.08 ft (13.131 m); minimum daily, 1,010 ft^3/s (286 m^3/s) Aug. 24, 26, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 27,000 ft^3/s (765 m^3/s), May 1, 2, tailwater gage height, not determined; minimum daily, 1,030 ft^3/s (29.2 m^3/s) Sept 26, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1560	5340	3790	2630	10000	22600	9990	27000	8000	14000	5050	3710
2	1230	5680	4000	1950	13000	22200	8750	27000	6500	13700	5000	2700
3	1170	5700	4090	3390	14000	21900	8790	26500	6000	14200	6390	1970
4	1210	4820	5260	3640	15000	21600	9530	26000	5500	14500	6040	3980
5	1240	4880	5660	4060	16000	21700	11400	25000	5400	14700	5070	4000
6	2100	5310	5350	5630	16000	21400	13500	24500	5400	14300	4080	3500
7	2070	5090	5320	7630	16000	20900	14200	23500	5300	11000	4700	2500
8	2060	4780	5800	6710	17000	20500	15400	22500	5200	8500	4510	2000
9	2860	4890	4570	6690	17500	20000	16300	21000	5100	7000	3350	1500
10	3880	5160	2430	6110	19300	19700	16800	20000	5000	6000	4240	1400
11	2730	4550	3520	4350	19800	19300	17400	19000	5600	5000	3760	1600
12	3040	4270	4340	4780	20400	19100	17400	18000	5600	4000	4810	1910
13	3770	2700	5370	6120	20700	18800	18300	17000	5400	3000	4020	3170
14	3540	2750	5900	6230	21200	18400	18900	15500	5200	2500	4090	3340
15	3980	3590	4720	7520	21700	17900	18800	14500	5290	2400	4460	2170
16	4470	4120	4660	7470	22000	17700	18500	13500	6490	2300	4050	1200
17	4640	3890	5330	5390	23000	17400	17500	12500	7850	2200	4120	1250
18	4930	3830	4480	5490	24000	16900	17000	11000	8160	2100	4090	2640
19	7180	4880	3830	5200	25000	16400	18000	10000	10400	2000	2010	2100
20	8260	5310	3840	4620	26000	15800	19000	9000	11700	2200	3600	1190
21	8740	4900	3500	5400	26000	16000	21000	8000	13600	2500	2600	1190
22	8900	4690	3250	5320	25500	16400	22000	1500	15100	3000	2860	1140
23	8000	4200	3800	5960	25000	16500	22500	6500	15600	3600	2690	1120
24	4230	3400	2820	6150	25000	16500	23000	6000	16000	3400	2850	1090
25	3550	3130	3950	7200	24500	16500	23500	5000	16200	3100	3360	1060
26	6180	3260	3910	8260	24100	16100	24000	5100	16300	3500	2850	1030
27	6540	4450	3850	9220	23500	15600	24500	6000	16000	3000	2620	1030
28	6230	3580	3500	9870	23000	14800	25000	7900	14300	2500	3900	1080
29	5260	3770	3480	9820	---	13800	25000	8500	13200	2750	4420	1210
30	4580	3200	3030	8410	---	12700	26000	9300	14700	3710	4170	1290
31	5600	---	3380	8810	---	11600	---	9300	---	4290	4160	---
TOTAL	133430	130120	130730	190030	574200	556600	541960	456100	280090	180950	123920	59070
MEAN	4311	4337	4217	6130	20510	17950	18070	14710	9336	5837	3997	1969
MAX	8900	5700	5900	9870	26000	22600	26000	27000	16300	14700	6390	4000
MIN	1170	2700	2430	1950	10000	11600	8750	1500	5000	2000	2010	1030
AC-FT	265100	258100	259300	376900	1139000	1104000	1075000	904700	555600	358900	245800	117200

CAL YR 1981 TOTAL 3732080 MEAN 10220 MAX 38100 MIN 1170 AC-FT 7403000
WTR YR 1982 TOTAL 3357400 MEAN 9198 MAX 27000 MIN 1030 AC-FT 6659000

07367640 OUACHITA RIVER AT COLUMBIA, LA

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1981 (discontinued).
WATER TEMPERATURES: October 1975 to September 1981 (discontinued).

INSTRUMENTATION.--Water-quality monitor October 1975 to April 1981 (discontinued).

REMARKS.--Water-quality monitor removed April 1981. Samples for daily temperature and specific conductance were collected by an observer May to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 618 micromhos Oct. 3, 1977; minimum daily, 69 micromhos Mar. 4, 1975.
WATER TEMPERATURES: Maximum daily, 34.0°C, on several days in July and August 1981; minimum, 2.5°C Jan. 15, 1979.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT										
13...	1345	3770	276	6.7	24.5	50	7.1	5.9	.2	<5
DEC										
07...	1430	5320	230	6.7	15.5	30	12	9.1	.3	<4
FEB										
10...	1545	19000	152	6.7	6.0	60	55	10.1	1.3	K20
APR										
22...	0930	21000	122	5.4	18.0	50	26	7.2	1.6	K700
JUN										
09...	1310	8800	241	6.8	29.5	5	17	--	--	K16
AUG										
04...	1700	4730	249	6.2	31.5	70	8.9	4.9	.3	K40

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
OCT										
13...	940	45	13	3.0	34	3.0	31	20	47	.1
DEC										
07...	K90	37	11	2.2	27	2.5	25	18	37	<.1
FEB										
10...	620	34	10	2.1	16	2.6	18	14	25	.1
APR										
22...	1900	25	6.9	2.0	13	1.6	13	11	20	<.1
JUN										
09...	210	33	11	2.5	30	2.0	20	15	44	.1
AUG										
04...	--	45	13	3.2	32	2.4	26	15	43	.1

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT									
13...	9.4	169	148	.43	.07	.42	.06	.05	.04
DEC									
07...	5.5	135	118	.17	.09	.46	--	.13	.03
FEB									
10...	6.7	102	88	.42	.17	.97	.09	.04	.05
APR									
22...	6.2	99	69	.13	.13	.49	.11	.05	.03
JUN									
09...	6.3	142	123	.40	.12	.60	.08	.05	.03
AUG									
04...	9.0	151	133	.48	.06	.80	.10	.04	.04

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT										
13...	3	2	100	90	<1	1	10	10	<1	<1
DEC										
07...	2	1	100	50	<1	1	20	10	<1	<1
APR										
22...	2	1	<100	43	<1	<1	10	<10	1	1
JUN										
09...	2	1	<100	65	1	<1	10	<10	4	2

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT									
13...	10	5	1000	380	6	1	160	92	<.1
DEC									
07...	11	1	650	290	4	<1	110	90	.1
APR									
22...	6	5	1100	310	8	1	90	49	<.1
JUN									
09...	8	5	1500	280	7	2	180	130	.1

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT									
13...	<.1	4	2	<1	<1	<1	<1	30	12
DEC									
07...	.1	<1	2	<1	<1	<1	<1	50	11
APR									
22...	<.1	6	6	<1	<1	<1	<1	30	10
JUN									
09...	.1	6	<1	<1	<1	<1	1	20	11

DATE	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)
DEC								
07...	<3.4	<.6	--	4.3	.7	4.1	.7	.08
JUN								
09...	<2.5	1.9	1.3	3.8	.8	3.8	.8	.08

DATE	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
13...	46	468	94
DEC			
07...	34	488	100
FEB			
10...	81	4160	92
APR			
22...	67	3800	92
JUN			
09...	70	1660	83
AUG			
04...	50	1310	79

< Actual value is known to be less than the value shown.

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 32°58'25", long 91°26'25", in NE1/4NE1/4 sec.21, T.23 N., R.10 E., Morehouse - West Carroll Parish line, Hydrologic Unit 08050001, near left bank on downstream side of bridge on State Highway 835, 2.0 mi (3.2 km) downstream from Arkansas-Louisiana State line, and 7.5 mi (12.1 km) southwest of Kilbourne.

DRAINAGE AREA.--785 mi^2 or 2,033 km^2 (see REMARKS).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to September 1973 (annual maximum gage heights and daily discharges below 200 ft^3/s or 5.664 m^3/s only). October 1973 to September 1979 (daily gage heights and daily discharges below 200 ft^3/s or 5.664 m^3/s only). October 1979 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 72.11 ft (21.979 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 31, 1957, nonrecording gage, Dec. 31, 1957 to Oct. 1, 1961, water-stage recorder on left bank 300 ft (91 m) upstream. Prior to Oct. 1, 1978, datum 2.00 ft (0.610 m) higher. May 4, 1959 to Dec. 4, 1962, auxiliary nonrecording gage and Dec. 5, 1962 to Apr. 6, 1969, auxiliary water-stage recorder 1.7 mi (2.7 km) downstream from base gage at datum 74.35 ft (22.662 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Diversions above and below station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. In extreme floods, considerable flow bypasses station. Flow reenters and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000). No gage height recorded below -0.04 (-0.012 m).

AVERAGE DISCHARGE.--11 years (water years 1958-68), 952 ft^3/s (26.96 m^3/s), 689,700 acre-ft/yr (850 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft^3/s (467 m^3/s) Feb. 11, 1966; maximum gage height, 25.41 ft (7.745 m), present datum, about Mar. 17, 1973; no flow at times in 1966, 1974, 1977, and 1978, result of pumping for irrigation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 15, 1948, reached a stage of 24.8 ft (7.56 m) present datum (from records of Corps of Engineers, Vicksburg district).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.73 ft (4.794 m) April 21; minimum, not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.10	2.67	4.98	2.31	7.64	5.26	2.48	3.07	1.84	3.83	5.59	3.08
2	2.04	2.61	4.03	2.23	7.51	4.06	2.45	2.81	1.00	3.16	8.17	2.86
3	2.01	2.61	3.35	6.56	5.17	3.49	9.47	2.68	.40	2.52	5.84	2.68
4	2.00	3.52	3.01	10.92	3.85	3.23	8.50	2.40		2.22	4.47	2.86
5	2.01	4.04	2.75	6.77	3.42	3.02	5.69	2.33	4.45	1.54	3.44	3.25
6	2.03	3.51	2.61	4.46	3.74	2.90	4.60	2.17	2.97	1.05	2.98	3.16
7	2.13	3.07	2.49	3.74	3.97	5.45	3.66	2.22	2.28	.20	3.22	3.00
8	2.34	2.80	2.42	3.23	3.44	3.99	3.22	2.27	1.91	-.04	3.96	2.76
9	2.72	2.60	2.21	2.96	9.17	3.41	2.79	1.97	1.11		3.93	2.48
10	4.79	2.36	2.35	2.78	15.20	3.11	2.68	1.88	.07		3.30	2.59
11	4.12	2.23	2.16	2.65	14.32	2.90	2.48	1.91	-.04		2.87	2.54
12	3.50	2.10	2.22	2.49	10.51	2.78	2.41	1.78	-.04		2.78	3.08
13	3.13	1.90	2.09	2.53	5.80	2.71	2.42	1.08	4.54		3.97	3.94
14	2.83	1.79	1.88	2.46	4.57	2.63	2.49	.84	3.25		3.89	3.60
15	2.69	1.69	2.00	2.29	3.95	2.64	2.48	.37	2.63		5.57	3.64
16	2.57	1.62	1.96	2.28	6.41	3.41	2.50	.43	3.28		7.65	3.35
17	2.49	1.53	1.83	2.50	8.15	3.00	2.63	3.86	5.28		6.18	3.15
18	3.17	1.45	1.66	2.46	5.07	5.46	7.45	2.92	5.92		7.18	2.96
19	4.35	1.49	1.80	2.47	4.23	3.59	8.01	2.67	5.09		5.77	2.67
20	4.44	1.65	1.56	2.50	3.74	3.02	10.83	2.42	3.80		4.64	2.51
21	3.58	1.49	1.81	2.57	3.32	2.72	15.36	2.27	3.16		3.79	2.47
22	3.10	1.56	1.98	2.77	3.03	3.93	14.91	1.88	5.41		3.37	2.26
23	2.87	1.49	2.27	4.39	2.86	5.17	11.04	1.26	4.06	-.04	3.04	2.22
24	2.64	1.88	2.44	4.22	2.80	3.73	6.06	.82	3.28	.35	2.55	2.12
25	2.54	2.03	2.46	4.48	2.81	3.19	4.72	2.95	2.75		2.37	2.02
26	2.56	2.13	2.46	3.55	2.74	2.90	4.30	3.46	2.11		2.26	2.06
27	2.50	2.22	2.38	3.09	8.29	2.77	3.97	4.16	2.18		1.99	1.98
28	3.51	2.41	2.35	2.91	7.64	2.63	3.63	3.68	2.43	-.04	1.94	2.03
29	3.39	2.43	2.37	2.75	---	2.52	3.31	3.09	3.67		2.47	1.92
30	3.03	4.36	2.31	2.77	---	2.42	3.64	2.63	4.09	3.73	3.28	1.90
31	2.81	---	2.32	3.52	---	2.42	---	2.31	---	3.82	3.66	---
MAX	4.79	4.36	4.98	10.92	15.20	5.46	15.36	4.16	5.92	3.83	8.17	3.94
MIN	2.00	1.45	1.56	2.23	2.74	2.42	2.41	.37	---	---	1.94	1.90

NOTE.--Below lowest recordable stage of -0.04 ft June 4, July 9-22, 25-27, 29.

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958, 1966-72, 1976-77, 1981 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT								
15...	1100	683	7.2	21.5	15	15	7.1	1.7
JAN								
27...	1240	225	6.7	7.5	100	450	10.5	2.7
APR								
20...	1130	110	6.1	18.0	200	420	6.3	2.5
JUL								
14...	1030	861	7.3	28.0	5	8.0	6.5	.6

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT									
15...	K20	5400	190	47	18	60	7.2	117	36
JAN									
27...	K390	2300	64	13	7.7	14	4.5	48	17
APR									
20...	4000	25000	31	7.9	2.7	6.4	3.0	38	8.0
JUL									
14...	K35	140	290	75	25	54	3.0	236	60

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT								
15...	120	.2	12	402	370	.42	.79	.14
JAN								
27...	21	.2	5.3	130	114	1.3	1.5	.46
APR								
20...	9.5	.1	5.7	70	66	.89	1.8	.76
JUL								
14...	92	.3	17	502	468	<.10	.70	.12

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT											
15...	3	<1	1	<1	8	<1	6	9	12	7200	<1

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
OCT 15...	150	34	730	<.1	<.01	4	42	7.6	<.01	1	<.1

DATE	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 15...	1	<.1	<1	<.01	<.1	<.1	7	<.01	18	<.01	28

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 15...	<.01	11	<.01	<.1	<.01	.5	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 15...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 15...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PER-THANE TOTAL (UG/L)	PER-THANE IN BOTTOM MATERIL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 15...	<.01	<.1	<.1	<1	<.01	<.1	.40	<.01	<.01	<.01

< Actual value is known to be less than the value shown.

07367900 BAYOU BONNE IDEE NEAR OAK RIDGE, LA

LOCATION.--Lat 32°42'25", long 91°43'43", in NW1/4 sec.23, T.20 N., R.7 E., Morehouse Parish, Hydrologic Unit 08050001, at bridge on Parish Road 6, 1.2 mi (1.9 km) downstream from dam on Horseshoe Lake, and 6.3 mi (10.1 km) northeast of Oak Ridge.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--April 1981 to March 1982 (discontinued).

WATER-QUALITY DATA, OCTOBER 1981 TO MARCH 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT										
15...	0830	--	357	6.6	21.0	15	5.0	1.5	36	K100
NOV										
17...	1545	E.00	297	7.5	17.0	20	5.0	6.6	160	K12
DEC										
08...	0900	E.00	268	6.6	11.0	5	5.0	6.8	71	K2
JAN										
27...	0930	--	130	6.0	8.0	70	150	.7	--	420
FEB										
10...	0950	--	142	6.4	5.0	70	100	5.5	20	150
MAR										
24...	1500	--	119	6.2	19.0	70	3.0	8.3	43	<10

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	ALKALINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT										
15...	1400	135	203	16	--	<.01	.02	.06	.77	.11
NOV										
17...	K170	113	173	5	--	<.01	.05	.07	.78	.14
DEC										
08...	320	100	154	--	.04	.01	.05	.03	1.2	.07
JAN										
27...	32000	29	--	--	.04	.14	.18	.11	1.3	.80
FEB										
10...	8300	43	103	44	.21	.07	.28	.26	1.3	.37
MAR										
24...	1600	41	93	10	.04	.01	.05	.04	1.5	.31

DATE	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	ALUMINUM, DISSOLVED (UG/L AS AL)	ANTIMONY, DISSOLVED (UG/L AS SB)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)
OCT										
15...	.06	20	<1	3	90	1	1	10	--	--
NOV										
17...	.06	--	--	--	--	--	--	--	--	--
DEC										
08...	.05	--	--	--	--	--	--	--	--	--
JAN										
27...	.70	90	--	--	--	--	--	--	<1	12
FEB										
10...	.30	--	--	--	--	--	--	--	--	--
MAR										
24...	.23	--	--	--	--	--	--	--	--	--

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
OCT										
15...	65	--	4	370	<.1	<1	--	<1	--	7
NOV										
17...	--	--	--	--	--	--	--	--	--	--
DEC										
08...	--	--	--	--	--	--	--	--	--	--
JAN										
27...	--	3	--	--	--	3	1	--	<1	--
FEB										
10...	--	--	--	--	--	--	--	--	--	--
MAR										
24...	--	--	--	--	--	--	--	--	--	--

< Actual value is known to be less than the value shown.
E Estimated.
K Based on colony count outside the acceptable range (non-ideal count).

07368000 BOEUF RIVER NEAR GIRARD, LA

LOCATION.--Lat 32°28'52", long 91°47'52", on line between sec. 1, T.17 N., R. 6 E., and sec.6., T.17 N., R.7 E., Hydrologic Unit 08050001, on downstream side of bridge on U.S. Highway 80, and 0.5 mi (0.8 km) east of Girard.

DRAINAGE AREA.--1,226 mi^2 or 3,175 km^2 (see REMARKS).

PERIOD OF RECORD.--October 1938 to current year. Daily gage heights as follows: 1886-94 in reports of National Weather Service; September 1925 to December 1931 in files of Corps of Engineers, Vicksburg district; since January 1932 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 49.42 ft (15.063 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Nov. 3, 1955, nonrecording gage at sites within 200 ft (61 m) upstream. Prior to Oct. 1, 1966, at datum 2.20 ft (0.671 m) higher. Water-stage recorder for Boeuf River southwest of Rayville (station 07368040) used as auxiliary gage for this station. Nov. 20, 1962, to Sept. 30, 1974, at datum 0.60 ft (0.183 m) lower. See WSP 2120 for changes prior to Nov. 20, 1962.

REMARKS.--Records good. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from Bayou Bartholomew basin passes this station. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--44 years, 356 ft^3/s (10.08 m^3/s), 257,900 acre-ft/yr (318 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,070 ft^3/s (86.9 m^3/s) May 2, 1958; maximum gage height, 21.51 ft (6.556 m) May 6, 1958, present datum; minimum discharge, 5.8 ft^3/s (0.16 m^3/s) June 11, 1982; minimum gage height, 2.61 ft (0.796 m) June 25, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 7, 1927, reached a stage of 31.7 ft (9.66 m), present site and datum, (affected by overflow from Mississippi River).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 587 ft^3/s (16.6 m^3/s) May 22; maximum gage height, 10.09 ft (3.075 m) April 21; minimum discharge, 5.8 ft^3/s (0.16 m^3/s) June 11; minimum gage height, 2.80 ft (0.853 m) July 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	23	12	17	59	130	73	54	14	125	24	22
2	16	26	12	18	78	125	51	49	12	131	41	22
3	15	25	21	20	95	101	47	43	10	116	95	22
4	15	24	31	21	99	83	46	42	9.7	96	141	20
5	16	23	32	50	86	61	92	39	8.5	76	129	20
6	16	22	29	114	72	51	121	32	7.6	59	99	19
7	17	23	25	126	58	48	113	30	7.7	46	86	19
8	20	24	22	122	55	48	92	28	9.0	38	85	21
9	21	24	22	114	120	53	67	26	9.3	33	88	20
10	22	24	20	84	190	51	51	24	8.2	26	78	19
11	21	23	20	57	278	45	41	22	6.4	21	96	19
12	26	22	19	44	324	39	36	21	6.1	18	151	54
13	34	21	20	40	293	35	30	20	6.8	16	125	48
14	35	20	22	36	231	32	26	19	14	14	110	35
15	33	18	22	34	155	30	24	18	26	12	97	36
16	31	17	21	37	293	29	23	16	54	11	84	38
17	29	16	21	39	336	28	27	15	65	12	82	39
18	29	15	20	47	310	28	26	14	125	10	90	38
19	27	14	19	44	243	33	74	15	139	9.8	94	34
20	27	13	19	41	174	42	434	16	121	9.4	93	32
21	29	12	20	72	121	44	562	16	127	11	83	29
22	29	12	20	78	89	54	580	15	120	13	73	27
23	32	13	19	75	64	53	523	15	117	15	63	26
24	30	12	18	78	47	59	422	16	108	14	56	24
25	29	12	18	74	33	61	293	15	90	14	46	23
26	29	13	18	65	44	53	193	14	70	13	40	22
27	26	13	17	57	75	44	133	14	84	12	35	22
28	25	12	17	50	103	37	104	14	113	10	31	21
29	24	11	16	43	---	32	84	16	105	9.7	27	20
30	23	12	16	39	---	30	68	17	106	10	24	20
31	23	---	18	54	---	79	---	16	---	13	22	---
TOTAL	765	539	626	1790	4125	1638	4456	711	1699.3	1013.9	2388	811
MEAN	24.7	18.0	20.2	57.7	147	52.8	149	22.9	56.6	32.7	77.0	27.0
MAX	35	26	32	126	336	130	580	54	139	131	151	54
MIN	15	11	12	17	33	28	23	14	6.1	9.4	22	19
AC-FT	1520	1070	1240	3550	8180	3250	8840	1410	3370	2010	4740	1610

CAL YR 1981 TOTAL 15209.1 MEAN 41.7 MAX 410 MIN 6.0 AC-FT 30170
WTR YR 1982 TOTAL 20562.2 MEAN 56.3 MAX 580 MIN 6.1 AC-FT 40790

07368000 BOEUF RIVER NEAR GIRARD, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.04	3.38	3.03	3.18	4.41	5.29	4.52	4.28	3.46	4.99	3.34	3.34
2	3.03	3.45	3.05	3.18	4.63	5.24	4.25	4.19	3.37	5.05	3.88	3.32
3	3.02	3.46	3.26	3.26	4.82	4.97	4.18	4.10	3.28	4.89	4.62	3.29
4	3.00	3.45	3.50	3.29	4.87	4.71	4.18	4.08	3.25	4.63	5.10	3.27
5	3.02	3.42	3.51	3.88	4.73	4.42	4.73	4.03	3.17	4.35	5.01	3.25
6	3.03	3.40	3.45	4.85	4.55	4.27	5.06	3.92	3.11	4.10	4.70	3.22
7	3.08	3.41	3.38	5.07	4.36	4.20	4.99	3.89	3.12	3.88	4.55	3.24
8	3.17	3.45	3.32	5.04	4.31	4.20	4.73	3.85	3.20	3.69	4.53	3.27
9	3.20	3.45	3.30	4.96	5.35	4.27	4.45	3.81	3.23	3.57	4.57	3.26
10	3.22	3.42	3.27	4.64	6.02	4.24	4.24	3.77	3.15	3.43	4.46	3.24
11	3.22	3.40	3.25	4.32	6.77	4.15	4.10	3.73	3.01	3.32	4.65	3.22
12	3.32	3.40	3.24	4.15	7.19	4.07	4.01	3.70	2.98	3.25	5.69	4.01
13	3.46	3.38	3.25	4.07	7.12	4.00	3.92	3.66	3.04	3.16	5.34	3.97
14	3.48	3.33	3.31	4.02	6.57	3.95	3.84	3.65	3.45	3.07	5.12	3.76
15	3.45	3.28	3.30	3.99	5.93	3.92	3.80	3.61	3.80	3.01	4.90	3.79
16	3.41	3.23	3.28	4.03	7.86	3.90	3.78	3.55	4.23	2.94	4.67	3.82
17	3.38	3.19	3.28	4.06	8.15	3.87	3.86	3.49	4.39	3.01	4.59	3.84
18	3.38	3.16	3.25	4.19	7.85	3.88	3.84	3.45	5.01	2.90	4.68	3.81
19	3.35	3.14	3.23	4.15	7.06	3.96	4.65	3.51	5.16	2.88	4.72	3.76
20	3.33	3.09	3.22	4.10	6.21	4.12	9.37	3.53	4.96	2.86	4.72	3.72
21	3.38	3.06	3.24	4.64	5.51	4.14	10.08	3.52	4.98	2.94	4.61	3.67
22	3.50	3.06	3.26	4.85	5.00	4.29	9.94	3.50	5.39	3.03	4.41	3.63
23	3.55	3.08	3.24	4.80	4.63	4.27	9.44	3.49	5.25	3.13	4.21	3.60
24	3.52	3.06	3.21	4.77	4.36	4.35	8.62	3.54	5.03	3.10	4.04	3.57
25	3.50	3.05	3.19	4.65	4.15	4.38	7.54	3.48	4.73	3.07	3.89	3.55
26	3.49	3.07	3.18	4.50	4.30	4.27	6.50	3.46	4.44	3.05	3.78	3.53
27	3.45	3.07	3.17	4.38	4.73	4.14	5.69	3.45	4.55	3.00	3.67	3.51
28	3.41	3.05	3.16	4.26	5.01	4.03	5.11	3.46	4.87	2.93	3.59	3.49
29	3.39	3.01	3.14	4.15	---	3.95	4.74	3.53	4.77	2.88	3.51	3.48
30	3.37	3.02	3.13	4.09	---	3.91	4.50	3.57	4.79	2.92	3.44	3.46
31	3.37	---	3.19	4.35	---	4.56	---	3.54	---	3.04	3.37	---
MAX	3.55	3.46	3.51	5.07	8.15	5.29	10.08	4.28	5.39	5.05	5.69	4.01
MIN	3.00	3.01	3.03	3.18	4.15	3.87	3.78	3.45	2.98	2.86	3.34	3.22

07368040 BOEUF RIVER SOUTHWEST OF RAYVILLE, LA

LOCATION.--Lat 32°25'40", long 91°49'05", in SW1/4NE1/4 sec.26, T.17 N., R.6 E., Richland Parish, Hydrologic Unit 08050001, on left bank 5.0 mi (8.0 km) southwest of Rayville, and 6.4 mi (10.3 km) downstream from gaging station Boeuf River near Girard (station 07368000).

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1974 to current year (gage heights only). Unpublished records from February 1945 to December 1952, and November 1962 to September 1974 are available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 50.00 ft (15.240 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 8, 1952, nonrecording gage and prior to Sept. 30, 1974, at datum 0.60 ft (0.183 m) lower.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.77 ft (4.197 m) Mar. 18, 1975; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1962, 15.51 ft (4.727 m), present datum, Mar. 20, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.58 ft (2.615 m) Apr. 21; minimum, 1.36 ft (0.415 m) July 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.92	2.55	2.27	2.43	3.75	3.93	3.59	3.66	2.72	4.16	2.03	---
2	1.94	2.61	2.29	2.42	3.78	3.97	3.49	3.58	2.61	4.12	2.44	---
3	1.94	2.64	2.33	2.54	3.82	3.84	3.48	3.50	2.53	3.99	2.82	2.53
4	1.95	2.66	2.39	2.59	3.85	3.71	3.43	3.47	2.52	3.77	3.38	2.51
5	1.97	2.65	2.43	2.66	3.82	3.53	3.57	3.45	2.50	3.57	3.49	2.48
6	2.01	2.60	2.45	3.17	3.76	3.48	3.74	3.33	2.48	3.38	3.34	2.45
7	2.11	2.58	2.46	3.52	3.68	3.46	3.77	3.29	2.45	3.17	3.34	2.45
8	2.16	2.57	2.45	3.58	3.63	3.43	3.70	3.28	2.42	3.03	3.36	2.46
9	2.20	2.65	2.44	3.61	4.33	3.43	3.59	3.27	2.38	2.94	3.52	2.44
10	2.26	2.70	2.44	3.54	4.57	3.42	3.50	3.24	2.33	2.84	3.54	2.44
11	2.27	2.67	2.43	3.17	4.97	3.41	3.45	3.22	2.27	2.74	3.69	2.43
12	2.29	2.66	2.43	3.34	5.30	3.39	3.41	3.21	2.27	2.68	4.49	3.23
13	2.34	2.65	2.44	3.37	5.47	3.35	3.37	3.19	2.26	2.56	4.30	3.15
14	2.40	2.63	2.50	3.38	5.08	3.33	3.31	3.19	2.27	2.45	4.21	3.01
15	2.42	2.59	2.51	3.38	4.80	3.33	3.28	3.17	2.44	2.34	4.10	2.98
16	2.44	2.54	2.51	3.41	6.63	3.30	3.28	3.14	2.97	2.24	3.97	3.01
17	2.47	2.50	2.52	3.41	6.81	3.25	3.37	3.08	3.23	2.16	3.89	3.07
18	2.51	2.44	2.49	3.45	6.52	3.23	3.35	2.97	3.50	2.04	3.92	3.06
19	2.51	2.41	2.48	3.51	5.78	3.25	3.98	2.98	3.73	1.95	3.95	2.98
20	2.52	2.39	2.48	3.50	4.99	3.30	8.08	3.01	3.70	1.84	3.99	2.93
21	2.53	2.35	2.49	3.92	4.46	3.34	8.54	2.94	3.87	1.81	3.97	2.93
22	2.55	2.34	2.50	4.19	4.06	3.51	8.28	2.86	4.47	1.81	3.85	2.91
23	2.53	2.34	2.45	4.16	3.79	3.53	7.79	2.84	4.30	1.78	3.67	2.89
24	2.59	2.31	2.43	4.06	3.62	3.53	7.05	2.88	4.12	1.71	---	2.88
25	2.59	2.31	2.41	3.93	3.47	3.54	6.17	2.89	3.90	1.63	---	2.87
26	2.61	2.30	2.41	3.82	3.49	3.49	5.34	2.88	3.70	1.57	---	2.88
27	2.62	2.25	2.42	3.73	3.75	3.42	4.68	2.85	3.61	1.50	---	2.87
28	2.59	2.22	2.41	3.63	3.83	3.37	4.23	2.81	3.74	1.46	---	2.88
29	2.58	2.20	2.39	3.58	---	3.32	3.98	2.79	3.81	1.41	---	2.87
30	2.56	2.24	2.39	3.54	---	3.28	3.81	2.74	4.00	1.37	---	2.86
31	2.55	---	2.46	3.74	---	3.48	---	2.75	---	1.44	---	---
MAX	2.62	2.70	2.52	4.19	6.81	3.97	8.54	3.66	4.47	4.16	4.49	3.23
MIN	1.92	2.20	2.27	2.42	3.47	3.23	3.28	2.74	2.26	1.37	2.03	2.43

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA

LOCATION.--Lat 32°29'55", long 91°55'05", in NW1/4SW1/4 sec.26, T.18 N., R.5 E., Ouachita-Richland Parish line, Hydrologic Unit 08050001, near center of span on downstream side of bridge on U.S. Highway 80, 1.1 mi (1.8 km) upstream from Illinois Central Gulf Railroad bridge, and 2.5 mi (4.0 km) west of town of Crew Lake.

DRAINAGE AREA.--361 mi^2 or 935 km^2 (see REMARKS).

PERIOD OF RECORD.--October 1938 to current year. Prior to December 1938 monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 37.08 ft (11.302 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 10, 1944, nonrecording gage, Aug. 10, 1944, to June 5, 1952, water-stage recorder, and June 6 to September 30, 1952, nonrecording gage, all at same site at datum 19.00 ft (5.791 m) higher. Water-stage recorder for Bayou Lafourche near Alto (station 07369050) used as auxiliary gage for this station since Oct. 1, 1957.

REMARKS.--Records fair except those for periods of indefinite stage-discharge relation, which are poor. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from the Bayou Bartholomew basin passes this station. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--44 years, 1,647 ft^3/s (46.64 m^3/s), 1,193,000 acre-ft/yr (1.47 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,800 ft^3/s (759 m^3/s) May 2, 1958; maximum gage height, 27.55 ft (8.397 m) Feb. 14, 1966; maximum daily reverse flow not determined; no flow at times in August, September, and October 1952, result of temporary storage due to excavation of channel upstream.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 17,000 ft^3/s (481 m^3/s) was measured Dec. 24, 1931 (from reports of Corps of Engineers, Vicksburg district).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,600 ft^3/s (300 m^3/s) Apr. 21; maximum gage height, 23.58 ft (7.187 m) Apr. 22; minimum discharge, 39 ft^3/s (1.10 m^3/s) Oct 4; minimum gage height, 1.16 ft (0.354 m) Nov. 13, 14, 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	147	851	84	2660	2930	203	555	105	2010	1990	560
2	49	147	1190	82	3890	1500	251	519	69	1150	4170	399
3	43	139	839	362	3360	1030	1350	455	54	711	4490	302
4	41	182	538	3640	2230	696	3970	268	45	313	3240	280
5	41	403	218	5010	1530	493	3870	184	85	209	1770	352
6	45	504	145	2850	557	713	3230	147	392	150	1170	411
7	57	347	125	1980	790	1560	1680	164	207	121	2010	366
8	70	232	110	1360	675	1710	676	170	90	88	1880	326
9	66	162	93	374	3500	992	397	134	61	349	1660	291
10	264	115	83	239	5860	514	300	113	46	132	1230	279
11	889	70	78	142	6560	363	250	98	67	82	884	285
12	597	52	75	153	5870	268	180	78	1340	84	1590	503
13	356	46	69	156	4050	270	148	68	3030	78	1320	957
14	222	45	90	136	2520	256	135	78	1970	70	1330	1280
15	154	45	86	130	1670	218	121	86	728	80	1380	1130
16	121	46	80	298	4050	446	108	84	1770	74	2350	860
17	101	51	80	240	5880	557	136	522	4630	92	2900	550
18	95	52	77	182	3750	1840	1040	495	4100	87	2790	403
19	283	50	68	195	2240	1620	3060	373	2800	81	2660	304
20	741	49	66	193	973	676	5330	297	1800	93	1910	239
21	638	48	69	859	560	363	9760	194	1400	371	1210	194
22	374	52	73	2380	438	915	10000	138	2500	258	813	148
23	252	55	87	1800	330	2030	7850	93	1790	235	557	115
24	157	50	86	1610	310	1410	4340	106	985	211	410	102
25	123	52	92	1500	300	816	2050	147	723	153	306	96
26	113	53	97	922	290	429	1440	217	760	122	247	81
27	107	75	96	490	2560	281	900	687	992	90	187	75
28	102	86	89	321	4380	220	800	796	548	121	153	68
29	239	90	93	252	---	180	700	487	1610	475	227	63
30	274	158	74	241	---	149	600	281	1630	387	474	58
31	208	---	81	1110	---	215	---	164	---	661	568	---
TOTAL	6870	3603	5888	29291	71783	25660	64875	8198	36327	9138	47876	11077
MEAN	222	120	190	945	2564	828	2163	264	1211	295	1544	369
MAX	889	504	1190	5010	6560	2930	10000	796	4630	2010	4490	1280
MIN	41	45	66	82	290	149	108	68	45	70	153	58
AC-FT	13630	7150	11680	58100	142400	50900	128700	16260	72050	18130	94960	21970

CAL YR 1981 TOTAL 227994.00 MEAN 625 MAX 9870 MIN .00 AC-FT 452200
WTR YR 1982 TOTAL 320586.00 MEAN 878 MAX 10000 MIN 41 AC-FT 635900

NOTE.--Indefinite stage-discharge relation, Feb. 23-26, Apr. 27-30.

07369000 BAYOU LAFOURCHE NEAR CREW LAKE--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.43	2.06	4.38	1.66	8.40	10.25	2.43	5.44	1.86	8.50	6.96	3.53
2	1.44	2.06	5.21	1.64	10.79	7.21	2.64	4.31	1.53	6.20	11.30	3.08
3	1.37	2.01	4.38	2.69	10.06	5.12	5.35	3.36	1.35	4.06	12.59	2.74
4	1.34	2.24	3.58	10.25	7.84	4.04	10.95	2.70	1.24	2.87	10.33	2.65
5	1.34	3.10	2.46	12.76	5.96	3.49	10.76	2.32	1.51	2.45	7.10	2.92
6	1.40	3.46	2.10	9.38	3.78	4.03	9.83	2.12	3.17	2.15	4.98	3.12
7	1.55	2.93	1.97	7.29	4.32	6.04	6.78	2.22	2.42	1.98	6.96	2.97
8	1.69	2.47	1.87	5.71	4.06	6.37	3.98	2.26	1.73	1.73	6.66	2.83
9	1.64	2.13	1.74	3.09	9.90	4.75	3.19	2.06	1.44	2.98	6.13	2.69
10	2.56	1.85	1.65	2.58	16.38	3.55	---	1.93	1.26	2.03	5.13	2.65
11	4.51	1.46	1.60	2.11	17.83	3.07	---	1.81	1.49	1.67	4.30	2.67
12	3.78	1.26	1.56	2.16	16.91	2.70	---	1.63	5.33	1.69	5.96	3.37
13	3.04	1.18	1.50	2.19	13.77	2.71	2.15	1.52	9.17	1.63	5.33	4.62
14	2.51	1.17	1.72	2.07	9.75	2.65	2.11	1.62	6.94	1.54	5.37	5.37
15	2.17	1.16	1.68	2.04	7.59	2.49	2.05	1.71	4.09	1.65	5.47	5.01
16	1.98	1.19	1.61	2.81	14.56	3.33	1.98	1.69	6.30	1.59	7.72	4.41
17	1.83	1.25	1.62	2.58	18.57	3.67	2.19	3.43	13.54	1.76	8.91	3.68
18	1.79	1.26	1.58	2.32	15.67	6.65	4.73	3.49	11.69	1.72	8.69	3.26
19	2.70	1.23	1.49	2.38	11.88	6.16	9.19	3.10	9.05	1.66	8.42	2.92
20	4.11	1.22	1.46	2.37	9.43	3.97	18.41	2.81	6.69	1.75	6.73	2.65
21	3.84	1.21	1.50	4.16	8.11	3.07	23.05	2.38	5.75	3.08	5.07	2.45
22	3.02	1.26	1.55	8.24	6.99	4.50	23.42	2.08	9.38	2.66	4.13	2.21
23	2.56	1.29	1.69	7.23	5.96	7.27	22.13	1.77	8.13	2.57	3.52	2.01
24	2.11	1.23	1.68	6.66	4.96	6.07	18.46	1.87	5.79	2.46	3.11	1.92
25	1.92	1.26	1.74	5.98	3.84	4.33	14.31	2.13	4.18	2.17	2.75	1.87
26	1.95	1.27	1.78	4.58	3.61	3.29	11.77	2.46	4.19	1.98	2.51	1.73
27	1.81	1.51	1.77	3.47	8.13	2.76	10.12	4.00	4.75	1.75	2.24	1.66
28	1.77	1.63	1.71	2.91	11.94	2.51	8.73	4.28	3.64	1.93	2.07	1.58
29	2.49	1.67	1.65	2.64	---	2.32	7.51	3.46	6.18	3.43	2.41	1.53
30	2.65	2.07	1.55	2.59	---	2.16	6.47	2.75	7.69	3.15	3.30	1.48
31	2.36	---	1.63	4.94	---	2.48	---	2.22	---	3.94	3.56	---
MAX	4.51	3.46	5.21	12.76	18.57	10.25	23.42	5.44	13.54	8.50	12.59	5.37
MIN	1.34	1.16	1.46	1.64	3.61	2.16	1.98	1.52	1.24	1.54	2.07	1.48

07369050 BAYOU LAFOURCHE NEAR ALTO, LA

LOCATION.--Lat 32°23'50", long 91°59'40", in NW1/4SE1/4 sec.6, T.16 N., R.5 E., Ouachita-Richland Parish line, Hydrologic Unit 08050001, at bridge on State Highway 15, 8 mi (13 km) west of Alto, 9.5 mi (15.3 km) downstream from gaging station Bayou Lafourche near Crew Lake (station 07369000), and 40 mi (64 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1973 to current year (elevations only). April 1946 to September 1973 published in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

COOPERATION.--Elevations furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 61.46 ft (18.733 m) May 9, 1975; minimum, 34.22 ft (10.430 m) Nov. 14, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since April 1946, 63.8 ft (19.45 m) Apr. 23, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 57.67 ft (17.578 m) Apr. 22; minimum, 34.22 ft (10.430 m) Nov. 14.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.00	35.63	37.69	---	42.27	45.20	37.07	41.70	35.54	43.81	40.36	37.56
2	34.92	35.64	---	---	44.69	42.66	37.02	40.48	35.14	41.84	44.85	37.14
3	34.86	35.65	---	---	44.39	40.65	38.39	39.40	34.92	39.64	46.48	36.64
4	34.73	35.68	---	---	42.49	39.31	44.34	38.43	34.91	37.97	44.98	36.32
5	34.78	36.38	---	46.42	40.75	38.42	44.76	37.84	34.82	36.73	42.13	36.57
6	34.94	37.19	---	44.02	38.56	38.38	44.22	37.55	36.31	35.98	39.82	36.92
7	34.97	36.70	---	42.01	38.47	40.37	41.74	37.20	---	35.48	41.14	36.84
8	35.23	36.17	35.53	40.80	38.45	41.06	39.04	37.04	---	35.27	41.25	36.60
9	35.14	35.72	35.40	37.98	43.71	39.81	37.75	36.80	---	36.11	40.71	36.38
10	35.55	35.33	35.27	36.71	49.68	38.67	37.18	36.58	---	35.89	39.84	36.22
11	38.10	34.96	35.19	36.02	51.34	38.02	36.97	36.43	---	35.12	38.74	36.28
12	37.83	34.61	35.17	35.88	50.83	37.55	37.17	36.40	---	35.01	40.08	37.30
13	37.00	34.42	35.11	36.18	48.38	37.17	37.02	36.30	---	34.87	39.90	39.49
14	36.33	34.23	35.41	36.01	44.96	37.10	36.71	36.23	---	34.61	39.88	40.92
15	35.80	34.36	35.50	35.97	42.96	36.99	36.49	35.93	---	34.66	39.77	40.49
16	35.53	34.54	35.37	37.05	49.36	37.46	36.50	35.69	---	34.83	41.52	39.54
17	35.74	34.58	35.29	37.11	53.10	37.93	36.68	36.58	---	34.97	42.93	38.44
18	35.39	34.83	35.17	36.53	50.94	40.20	38.21	37.45	---	35.14	42.71	37.64
19	35.80	34.95	---	36.46	47.79	40.93	42.94	36.79	---	34.98	42.68	37.09
20	37.64	34.78	---	36.45	45.71	38.96	53.26	36.60	---	34.95	41.26	36.63
21	37.88	34.82	---	37.96	44.49	37.84	57.19	36.06	---	36.26	39.65	36.24
22	37.09	34.86	---	42.89	43.39	39.51	57.61	35.56	---	36.40	38.44	35.86
23	36.36	34.97	---	42.23	42.37	41.88	56.79	35.22	43.56	36.06	37.65	35.62
24	35.78	34.87	---	41.68	41.34	41.21	53.88	35.68	41.57	36.00	37.02	35.49
25	35.50	34.81	---	40.89	40.18	39.60	50.37	36.01	40.03	35.68	36.58	35.37
26	35.57	35.23	---	39.47	39.52	38.30	48.10	36.02	39.63	35.55	36.31	35.20
27	35.60	35.10	---	39.24	42.55	37.38	46.56	37.78	40.33	35.22	36.00	35.14
28	35.44	35.23	---	37.32	46.13	36.83	45.18	38.44	39.21	35.33	35.71	35.11
29	35.72	35.27	---	36.89	---	36.61	43.96	37.65	40.96	36.82	35.87	35.03
30	36.18	35.70	---	36.81	---	36.51	42.85	36.75	43.15	36.98	36.83	34.95
31	35.96	---	---	39.08	---	36.84	---	36.06	---	37.51	37.40	---
MAX	38.10	37.18	---	46.42	53.10	45.20	57.61	41.70	---	43.81	46.48	40.92
MIN	34.73	34.23	---	35.88	38.45	36.51	36.49	35.22	34.82	34.61	35.71	34.95

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°04'15", long 91°55'40", in NW1/4NE1/4 sec.35, T.13 N., R.5 E., Caldwell-Franklin Parish line, Hydrologic Unit 08050001, at bridge on State Highway 4 crossing, 6.7 mi (10.8 km) northwest of Fort Necessity, and 0.5 mi (0.8 km) downstream from confluence of Bayou Lafourche Cutoff.

DRAINAGE AREA.--2,542 mi^2 (6,584 km^2), arbitrarily determined because of interchange of flow.

PERIOD OF RECORD.--Water years 1976 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1978 to August 1981(discontinued).
WATER TEMPERATURES: April 1978 to September 1981 (discontinued).

INSTRUMENTATION.--Water-quality monitor November 1980 to September 1981 (discontinued).

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 2,480 micromhos Jan. 16, 1981; minimum daily, 50 micromhos Dec. 24, 1978.
WATER TEMPERATURES: Maximum daily, 35.0°C July 18, 19, 1978; minimum daily, 5.0°C on many days during January to February 1979, Feb. 4, 1980.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 13...	1530	367	495	7.5	23.0	10	35	7.9	1.0	K55
DEC 07...	1700	E.00	1350	7.6	13.5	180	24	8.7	1.3	K9
FEB 10...	1345	8060	179	6.8	7.0	100	380	9.7	2.3	4000
APR 22...	1030	26100	82	5.8	17.0	240	330	6.6	3.2	4400
JUN 09...	1045	E.00	651	7.3	29.5	20	28	7.8	3.2	--
AUG 04...	1600	5150	294	7.1	29.5	80	90	5.5	5.3	110

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
OCT 13...	920	150	38	14	38	5.1	118	19	71	.2
DEC 07...	330	190	51	15	210	7.4	197	98	260	.2
FEB 10...	--	39	10	3.5	20	3.7	39	14	22	.1
APR 22...	11000	25	6.5	2.2	4.9	2.7	17	6.0	5.7	.1
JUN 09...	600	160	41	14	67	4.1	124	26	100	.2
AUG 04...	--	84	21	7.6	25	4.0	62	15	37	.2

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT 13...	12	285	268	.27	.090	.49	.13	.09	.08
DEC 07...	13	846	773	.18	.140	.88	.31	--	.12
FEB 10...	6.1	120	102	.49	.220	1.7	.45	.09	.07
APR 22...	5.5	59	44	.73	.140	.74	.57	.14	.12
JUN 09...	9.6	379	336	<.10	.050	1.8	.10	.06	.04
AUG 04...	7.8	173	155	.64	.060	1.4	.22	.03	.02

E Estimated.
K Results based on colony count outside the acceptable range (non-ideal count).

07369150 BOEUF RIVER NEAR FORT NECESSITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT 13...	4	7	100	110	<1	1	10	10	<1	<1
DEC 07...	2	2	200	210	<1	6	20	10	<1	<1
FEB 10...	4	4	300	41	<1	3	20	<10	1	<1
APR 22...	8	2	200	29	2	<1	30	10	7	1
JUN 09...	3	2	400	150	1	<1	10	<10	2	1

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT 13...	12	9	720	9	8	<1	70	29	<.1
DEC 07...	55	2	1700	570	6	<1	340	170	.7
FEB 10...	31	7	19000	220	16	<1	500	33	.2
APR 22...	23	7	23000	180	32	2	510	38	<.1
JUN 09...	10	7	1500	11	5	<1	320	130	.2

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 13...	<.1	4	2	<1	<1	<1	<1	50	15
DEC 07...	.4	3	4	<1	<1	<1	<1	60	74
FEB 10...	.2	18	1	1	<1	<1	<1	110	32
APR 22...	<.1	14	3	<1	<1	<1	<1	90	7
JUN 09...	.2	6	1	<1	<1	<1	<1	20	6

DATE	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 13...	149	148	94
DEC 07...	--	--	--
FEB 10...	848	18500	96
APR 22...	78	5490	98
JUN 09...	--	--	--
AUG 04...	162	2250	98

< Actual value is known to be less than the value shown.

324850091111000 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA

LOCATION.--Lat 32°48'50", long 91°11'10", T.21 N., R.12 E., East Carroll Parish, Hydrologic Unit 08050003, center of Lake Providence opposite the mouth of Tensas Bayou and 1.5 mi (2.4 km) northeast of Lake Providence.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT									
27...	1445	184	7.6	17.5	5	5.0	9.8	2.7	K2
JAN									
27...	1630	206	7.5	8.0	5	10	12.3	2.5	K24
APR									
20...	0830	185	7.7	19.0	10	2.0	9.2	2.6	K3
JUL									
14...	1345	183	7.0	32.0	5	3.0	12.6	3.4	K1

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT									
27...	K2	83	21	7.5	11	4.1	89	2.0	8.2
JAN									
27...	440	86	22	7.5	8.0	4.2	99	1.6	4.7
APR									
20...	K2200	82	22	6.5	7.9	3.7	87	4.2	5.3
JUL									
14...	--	80	22	6.2	8.9	3.8	90	1.0	5.1

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT								
27...	.1	2.1	112	109	.10	.74	.06	4.9
JAN								
27...	.2	3.4	104	111	.09	.70	.07	4.5
APR								
20...	.1	3.4	109	105	<.10	.71	.06	3.9
JUL								
14...	.2	2.2	119	103	<.10	1.5	.24	4.9

DATE	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT											
27...	<1	<1	<1	2	1100	<10	170	<.01	8	<.01	2

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

324850091111000 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT 27...	<.1	<1	<.1	<1	<.01	<.1	<.1	41	<.01	68	<.01
JAN 27...	<.1	6	<.1	<1	<.01	<.1	<.1	70	<.01	230	<.01
APR 20...	<.1	5	<.1	<1	<.01	<.1	<.1	28	<.01	59	<.01
JUL 14...	<.1	<1	<.1	<1	<.01	<.1	<.1	36	<.01	110	<.01

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 27...	190	<.01	8.7	<.01	<.1	<.01	1.7	<.01	<.1	<.01	1.6
JAN 27...	390	.01	96	<.01	<.1	<.01	3.8	<.01	1.4	<.01	2.0
APR 20...	110	<.01	3.3	--	<.1	<.01	<.1	<.01	<.1	<.01	<.1
JUL 14...	190	<.01	11	<.01	<.1	<.01	6.0	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)
OCT 27...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
JAN 27...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
APR 20...	--	<.1	<.01	<.1	<.01	<.1	<.01	<.1	--	<.1	<.01
JUL 14...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)
OCT 27...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
JAN 27...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
APR 20...	<.1	--	<.1	--	<.1	<.01	<.1	--	<.1	<.1
JUL 14...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1

DATE	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTOPLANKTON, TOTAL (CELLS PER ML)
OCT 27...	<.1	<.1	<1	<.01	<.1	<.01	<.01	<.01	<.01	230000
JAN 27...	<.1	<.1	<1	<.01	<.1	<.01	<.01	<.01	<.01	61000
APR 20...	<1	<1	<10	--	<.1	<.01	<.01	<.01	<.01	7500
JUL 14...	<1	<1	<10	<.01	<.1	.01	<.01	<.01	<.01	73000

< Actual value is known to be less than the value shown.

324850091111000 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA--Continued

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	OCT 27,81	JAN 27,82	APR 20,82	JUL 14,82
TIME	1445	1630	0830	1345
TOTAL CELLS/ML	230000	61000	7500	73000
DIVERSITY: DIVISION	0.6	1.5	1.7	0.8
.CLASS	0.6	1.5	1.7	0.8
..ORDER	1.7	2.1	2.2	2.2
...FAMILY	1.7	2.4	2.8	2.5
....GENUS	2.1	3.3	3.0	3.5

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
BACILLARIOPHYTA (DIATOMS)								
.BACILLARIOPHYCEAE								
..BACILLARIALES								
...NITZSCHIACEAE								
....NITZSCHIA	9500	4	500	1	120	2	1500	2
..EUPODISCALES								
...COSCINODISCACEAE								
....CYCLOTELLA	1900	1	3500	6	480	6	3200	4
....MELOSIRA	4200	2	1500	2	--	-	--	-
..FRAGILARIALES								
...FRAGILARIACEAE								
....FRAGILARIA	--	-	--	-	--	-	*	0
....SYNEDRA	*	0	4000	7	720	10	*	0
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHLOROCOCCACEAE								
....SCHROEDERIA	--	-	--	-	120	2	*	0
....TETRAEDRON	--	-	500	1	--	-	*	0
...MICRACTINIACEAE								
....MICRACTINIUM	1100	1	--	-	--	-	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	6100	3	5800	10	2400#	32	1400	2
....CHODATELLA	--	-	1000	2	--	-	*	0
....KIRCHNERIELLA	*	0	1300	2	--	-	*	0
....SELENASTRUM	*	0	--	-	--	-	--	-
...SCENEDESMACEAE								
....ACTINASTRUM	--	-	1000	2	--	-	--	-
....CRUCIGENIA	--	-	--	-	--	-	560	1
....GLOEOACTINIUM	--	-	6500	11	--	-	--	-
....SCENEDESMUS	--	-	1000	2	1100	14	1400	2
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	--	-	*	0	480	6	560	1
..ZYGNEMATALES								
...DESMIDIACEAE								
....COSMARIUM	--	-	--	-	--	-	*	0
CRYPTOPHYTA (CRYPTOMONADS)								
.CRYPTOPHYCEAE								
..CRYPTOMONADALES								
...CRYPTOCHRYSIDACEAE								
....CHROOMONAS	*	0	--	-	300	4	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

RED RIVER BASIN

324850091111000 LAKE PROVIDENCE NORTH OF LAKE PROVIDENCE, LA--Continued

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE TIME	OCT 27,81 1445		JAN 27,82 1630		APR 20,82 0830		JUL 14,82 1345	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
...CRYPTOMONADACEAE								
....CRYPTOMONAS	*	0	*	0	60	1	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	12000	5	2000	3	--	-	4500	6
....ANACYSTIS	50000#	22	17000#	28	--	-	8000	11
....COCCOCHLORIS	--	-	8500	14	--	-	--	-
..NOSTOCALES								
...HAMMATOIDEACEAE								
....RAPHIDIOPSIS	4600	2	--	-	--	-	2700	4
...NOSTOCACEAE								
....ANABAENA	3100	1	--	-	--	-	13000#	18
....ANABAENOPSIS	--	-	--	-	--	-	2200	3
....APHANIZOMENON	--	-	--	-	--	-	1400	2
....CYLINDROSPERMUM	--	-	--	-	--	-	10000	14
..OSCILLATORIALES								
...OSCILLATORIACEAE								
....LYNGBYA	3800	2	--	-	--	-	10000	14
....OSCILLATORIA	130000#	56	5800	10	--	-	9800	13
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	--	-	--	-	360	5	*	0
....TRACHELOMONAS	--	-	500	1	1200#	16	*	0
PYRRHOPHYTA (FIRE ALGAE)								
.DINOPHYCEAE								
..DINOKONTAE								
...PERIDINIACEAE								
....PERIDINIUM	--	-	--	-	180	2	--	-

NOTE: # - DOMINANT ORGANISM: EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07369370 LAKE PROVIDENCE AT LAKE PROVIDENCE, LA

LOCATION.--Lat 32°50'40", long 91°13'25", in sec.13, T.21 N., R.12 E., East Carroll Parish, Hydrologic Unit 08050003, on upstream side of Baxter Bayou bridge on U.S. Highway 65, 3.0 mi (4.8 km) northwest of village of Lake Providence.

DRAINAGE AREA.--18.7 mi² (48.4 km²).

PERIOD OF RECORD --Water years 1962, 1969, 1978 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT									
27...	1430	184	7.7	18.0	10	3.0	10.7	3.2	<2
JAN									
27...	1600	209	7.6	8.5	5	10	12.8	3.4	K26
APR									
20...	0745	184	7.6	18.5	10	2.0	9.1	3.2	51
JUL									
14...	1400	187	8.4	31.5	5	1.0	9.4	3.3	K4

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT									
27...	K4	80	20	7.3	8.2	4.1	88	2.1	4.2
JAN									
27...	690	86	22	7.5	7.9	4.2	94	1.7	4.7
APR									
20...	98	83	22	6.7	7.5	3.4	89	3.0	4.6
JUL									
14...	100	72	19	6.0	8.3	3.8	82	2.0	5.1

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT								
27...	.2	2.0	104	101	.11	.69	.06	5.1
JAN								
27...	.2	2.4	113	107	.08	.85	.07	4.5
APR								
20...	.1	1.4	111	102	<.10	.84	.06	4.1
JUL								
14...	.2	4.1	120	98	<.10	.80	.05	5.6

DATE	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT											
27...	<1	<1	3	4	2300	<10	150	<.01	16	<.01	4

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07369370 LAKE PROVIDENCE AT LAKE PROVIDENCE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT 27...	<.1	16	<.1	<1	<.01	<.1	<.1	<1	<.01	<.1	<.01
JAN 27...	<.1	--	<.1	--	<.01	--	<.1	--	<.01	--	<.01
APR 20...	<.1	3	<.1	<1	<.01	<.1	<.1	13	<.01	6.0	<.01
JUL 14...	<.1	7	<.1	<1	<.01	<.1	<.1	14	<.01	7.1	<.01

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 27...	67	<.01	<.1	<.01	<.1	<.01	1.3	<.01	<.1	<.01	<.1
JAN 27...	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--
APR 20...	45	<.01	<.1	--	<.1	<.01	<.1	<.01	<.1	<.01	<.1
JUL 14...	63	<.01	.4	<.01	<.1	<.01	.5	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)
OCT 27...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
JAN 27...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
APR 20...	--	<.1	<.01	<.1	<.01	<.1	<.01	<.1	--	<.1	<.01
JUL 14...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)
OCT 27...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
JAN 27...	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
APR 20...	<.1	--	<.1	--	<.1	<.01	<.1	--	<.1	<.1
JUL 14...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1

DATE	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTOPLANKTON, TOTAL (CELLS PER ML)
OCT 27...	<.1	<.1	<1	<.01	<.1	<.01	<.01	<.01	<.01	720000
JAN 27...	--	<.1	--	<.01	--	<.01	<.01	<.01	<.01	200000
APR 20...	<1	<1	<10	--	<.1	<.01	<.01	<.01	.01	37000
JUL 14...	<1	<1	<10	<.01	<.1	.01	<.01	<.01	<.01	330000

< Actual value is known to be less than the value shown.

07369370 LAKE PROVIDENCE AT LAKE PROVIDENCE, LA--Continued

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE TIME	JAN 27,82 1600		APR 20,82 0745		JUL 14,82 1400	
TOTAL CELLS/ML	200000		37000		330000	
DIVERSITY: DIVISION	0.9		1.9		0.3	
.CLASS	0.9		1.9		0.3	
..ORDER	1.5		2.2		1.8	
...FAMILY	1.6		2.9		2.1	
....GENUS	2.3		3.4		2.8	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)						
.BACILLARIOPHYCEAE						
..BACILLARIALES						
...NITZSCHIACEAE						
....NITZSCHIA	3000	1	640	2	*	0
..EUPODISCALES						
...COSCINODISCACEAE						
....CYCLOTELLA	6600	3	4700	13	6500	2
....MELOSIRA	4200	2	--	-	--	-
..FRAGILARIALES						
...FRAGILARIACEAE						
....SYNEDRA	6600	3	--	-	*	0
CHLOROPHYTA (GREEN ALGAE)						
.CHLOROPHYCEAE						
..CHLOROCOCCALES						
...CHLOROCOCCACEAE						
....SCHROEDERIA	--	-	--	-	2500	1
....TETRAEDRON	--	-	--	-	*	0
...DICTYOSPHAERIACEAE						
....DICTYOSPHAERIUM	--	-	2800	7	--	-
...OOCYSTACEAE						
....ANKISTRODESMUS	11000	5	5900#	16	2500	1
....CHODATELLA	1800	1	1500	4	--	-
....KIRCHNERIELLA	5400	3	--	-	*	0
....OOCYSTIS	--	-	1700	5	--	-
....TREUBARIA	*	0	210	1	--	-
...SCENEDESMACEAE						
....SCENEDESMUS	1200	1	5100	14	--	-
....TETRASTRUM	--	-	850	2	--	-
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	1800	1	1300	3	--	-
....CHLOROGONIUM	--	-	--	-	*	0
..ZYGNEMATALES						
...DESMIDIACEAE						
....COSMARIUM	--	-	640	2	--	-
CRYPTOPHYTA (CRYPTOMONADS)						
.CRYPTOPHYCEAE						
..CRYPTOMONADALES						
...CRYPTOMONADACEAE						
....CRYPTOMONAS	--	-	2300	6	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07369370 LAKE PROVIDENCE AT LAKE PROVIDENCE, LA--Continued

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	JAN 27,82		APR 20,82		JUL 14,82	
TIME	1600		0745		1400	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)						
.CYANOPHYCEAE						
..CHROOCOCCALES						
...CHROOCOCCACEAE						
....AGMENELLUM	--	-	--	-	57000#	17
....ANACYSTIS	110000#	53	--	-	24000	7
....COCCOCHLORIS	35000#	17	--	-	--	-
..NOSTOCALES						
...HAMMATOIDEACEAE						
....RAPHIDIOPSIS	--	-	--	-	63000#	19
...NOSTOCACEAE						
....ANABAENA	--	-	--	-	16000	5
....ANABAENOPSIS	--	-	--	-	4000	1
....APHANIZOMENON	--	-	--	-	6000	2
..OSCILLATORIALES						
...OSCILLATORIACEAE						
....LYNGBYA	--	-	--	-	44000	13
....OSCILLATORIA	18000	9	7400#	20	100000#	30
EUGLENOPHYTA (EUGLENOIDS)						
.EUGLENOPHYCEAE						
..EUGLENALES						
...EUGLENACEAE						
....EUGLENA	--	-	210	1	--	-
....TRACHELOMONAS	--	-	1900	5	--	-
PYRRHOPHYTA (FIRE ALGAE)						
.DINOPHYCEAE						
..DINOKONTAE						
...CERATIACEAE						
....CERATIUM	--	-	210	1	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07369500 TENSAS RIVER AT TENDAL, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°25'55", long 91°22'00", in NW1/4 sec.29, T.17 N., R.11 E., Madison Parish, Hydrologic Unit 08050003, near left bank on upstream side of bridge on U.S. Highway 80 at Tendal, 200 ft (61 m) upstream from Illinois Central Gulf Railroad bridge, and 2.8 mi (4.2 km) east of Waverly.

DRAINAGE AREA.--309 mi^2 or 800 km^2 (see REMARKS).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1935 to current year. Monthly discharge only for some periods, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 50.07 ft (15.261 m) National Geodetic Vertical Datum of 1929. Prior to July 11, 1944, nonrecording gage at site 1,000 ft (305 m) upstream at same datum. July 11, 1944, to Sept. 14, 1954, nonrecording gage at same site and datum. Water-stage recorder for Tensas River southeast of Tendal (07369515) used as auxiliary gage for this station since Oct. 1, 1957. See WSP 1711 and 1731 for history of changes prior to Oct. 1, 1957.

REMARKS.--Records fair. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined.

AVERAGE DISCHARGE.--46 years (water years 1936-82), 328 ft^3/s (9.29 m^3/s), 237,600 acre-ft/yr (293 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,610 ft^3/s (131 m^3/s) Nov. 19, 1948; maximum gage height, 24.91 ft (7.593 m) June 12, 1975; minimum discharge, 1.7 ft^3/s (0.048 m^3/s) Oct. 5, 1981, but may have been less during period of indefinite stage-discharge relation in October 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 15, 1927 (affected by overflow from Mississippi River) reached a stage of 34.02 ft (10.369 m) and is the highest since then.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,730 ft^3/s (106 m^3/s) Sept. 13; maximum gage height, 24.79 ft (7.556 m) Sept. 13; minimum discharge, 1.7 ft^3/s (0.048 m^3/s) Oct. 5, minimum gage height, 5.02 ft (1.530 m) Nov. 24-26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	7.5	10	8.4	114	380	118	203	32	672	71	25
2	2.2	7.2	9.0	8.7	90	284	65	233	25	578	128	27
3	2.2	7.2	7.2	49	70	222	42	139	17	448	176	28
4	2.0	6.9	6.6	173	55	147	47	77	9.5	339	193	28
5	1.7	6.0	6.0	162	44	93	54	44	6.0	244	173	27
6	2.8	5.1	5.7	114	41	60	58	34	5.7	179	152	25
7	3.3	4.8	5.7	94	43	59	60	33	5.4	126	156	23
8	3.9	4.2	5.4	170	42	80	58	31	5.1	96	176	19
9	4.8	4.2	3.9	124	593	84	55	23	4.8	78	174	17
10	6.3	3.9	4.2	70	898	69	44	20	5.1	68	164	16
11	7.2	3.9	4.5	38	671	51	38	19	5.1	70	151	15
12	7.5	3.6	4.8	27	501	37	32	18	22	60	151	2390
13	7.8	3.6	4.8	25	385	31	28	17	43	61	172	3550
14	8.4	3.9	4.5	23	296	26	24	15	59	56	154	3320
15	8.7	4.2	3.9	28	227	24	23	14	50	48	132	3070
16	9.0	4.2	4.5	129	1300	22	23	13	89	44	109	2950
17	9.3	4.5	6.3	147	1580	20	23	13	119	45	95	2880
18	8.7	4.2	6.6	105	1290	20	22	13	126	42	101	2800
19	8.4	4.2	7.2	82	862	40	128	13	150	42	96	2640
20	8.1	4.2	7.5	87	661	49	1680	16	148	43	76	2420
21	8.1	3.9	8.4	284	524	43	2150	29	137	43	58	2120
22	7.8	3.9	9.3	973	433	47	1710	41	199	40	47	1820
23	6.9	3.9	11	1110	355	64	1110	40	203	40	41	1480
24	6.9	3.6	10	907	286	75	775	41	135	40	38	1140
25	7.5	3.6	9.9	685	223	70	607	269	88	40	38	900
26	7.5	3.6	9.3	525	192	49	510	392	66	41	33	732
27	7.5	5.4	8.7	415	579	33	434	312	710	42	30	627
28	7.5	6.6	8.7	333	542	26	366	321	1050	47	29	525
29	7.5	6.9	8.1	252	---	23	298	192	902	49	28	428
30	7.8	9.0	7.2	165	---	21	237	95	714	50	27	346
31	7.8	---	7.8	129	---	85	---	50	---	53	26	---
TOTAL	197.6	147.9	216.7	7442.1	12897	2334	10819	2770	5130.7	3824	3195	36388
MEAN	6.37	4.93	6.99	240	461	75.3	361	89.4	171	123	103	1213
MAX	9.3	9.0	11	1110	1580	380	2150	392	1050	672	193	3550
MIN	1.7	3.6	3.9	8.4	41	20	22	13	4.8	40	26	15
AC-FT	392	293	430	14760	25580	4630	21460	5490	10180	7580	6340	72180

CAL YR 1981 TOTAL 43200.2 MEAN 118 MAX 2170 MIN 1.7 AC-FT 85690
WTR YR 1982 TOTAL 85362.0 MEAN 234 MAX 3550 MIN 1.7 AC-FT 169300

07369500 TENSAS RIVER AT TENDAL, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.13	5.16	5.26	5.20	6.99	9.97	7.01	7.87	5.87	11.55	6.28	5.54
2	5.11	5.15	5.22	5.21	6.70	8.88	6.36	8.13	5.73	10.88	6.98	5.58
3	5.10	5.14	5.16	6.10	6.44	8.01	6.01	7.28	5.55	9.85	7.53	5.61
4	5.08	5.13	5.14	7.57	6.22	7.32	6.09	6.56	5.36	8.90	7.69	5.60
5	5.07	5.10	5.12	7.46	6.05	6.72	6.20	6.09	5.26	8.14	7.50	5.57
6	5.08	5.07	5.11	6.95	6.00	6.29	6.25	5.92	5.25	7.53	7.29	5.54
7	5.10	5.06	5.11	6.70	6.04	6.27	6.28	5.89	5.24	6.96	7.33	5.49
8	5.12	5.04	5.10	7.55	6.02	6.56	6.25	5.85	5.23	6.61	7.53	5.41
9	5.14	5.04	5.05	7.05	10.41	6.61	6.21	5.70	5.22	6.38	7.51	5.37
10	5.19	5.03	5.06	6.39	12.99	6.41	6.04	5.63	5.23	6.25	7.41	5.34
11	5.21	5.03	5.09	5.92	12.07	6.15	5.94	5.61	5.23	6.27	7.28	5.31
12	5.22	5.02	5.08	5.73	10.72	5.92	5.83	5.58	5.67	6.13	7.28	16.05
13	5.22	5.02	5.08	5.68	9.55	5.81	5.74	5.56	6.07	6.14	7.49	24.73
14	5.23	5.03	5.07	5.65	8.60	5.71	5.64	5.52	6.32	6.08	7.31	24.62
15	5.24	5.04	5.05	5.74	8.06	5.66	5.65	5.49	6.19	5.96	7.03	24.28
16	5.25	5.04	5.07	7.12	14.75	5.62	5.63	5.47	6.72	5.89	6.77	23.92
17	5.25	5.05	5.13	7.35	17.26	5.58	5.64	5.47	7.07	5.91	6.60	23.55
18	5.23	5.04	5.14	6.88	16.58	5.59	5.64	5.46	7.15	5.86	6.68	23.12
19	5.22	5.04	5.16	6.60	14.96	5.97	6.59	5.47	7.40	5.85	6.62	22.57
20	5.21	5.04	5.17	6.66	13.56	6.13	16.11	5.54	7.38	5.87	6.36	21.83
21	5.20	5.03	5.20	8.24	12.24	6.03	18.53	5.82	7.25	5.88	6.11	20.89
22	5.19	5.03	5.23	12.92	10.99	6.09	18.14	6.05	7.87	5.83	5.95	19.81
23	5.16	5.03	5.28	14.88	9.85	6.35	16.84	6.02	7.91	5.83	5.84	18.64
24	5.16	5.02	5.26	14.15	8.86	6.49	15.45	6.04	7.28	5.82	5.79	17.41
25	5.18	5.02	5.25	12.79	8.02	6.42	14.19	8.33	6.73	5.83	5.79	16.18
26	5.17	5.02	5.23	11.43	7.73	6.12	12.93	9.30	6.44	5.84	5.71	14.91
27	5.17	5.10	5.21	10.21	10.57	5.85	11.65	8.74	11.15	5.86	5.64	13.60
28	5.17	5.14	5.21	9.16	11.04	5.71	10.39	8.80	13.55	5.94	5.61	12.30
29	5.17	5.15	5.19	8.26	---	5.64	9.23	7.80	13.19	5.98	5.60	11.01
30	5.17	5.22	5.16	7.50	---	5.59	8.25	6.80	12.10	5.99	5.58	9.85
31	5.17	---	5.18	7.15	---	6.52	---	6.19	---	6.03	5.56	---
MAX	5.25	5.22	5.28	14.88	17.26	9.97	18.53	9.30	13.55	11.55	7.69	24.73
MIN	5.07	5.02	5.05	5.20	6.00	5.58	5.63	5.46	5.22	5.82	5.56	5.31

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1955-57, 1966-73, 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1967 to September 1968, November 1971 to September 1972, April 1975 to September 1981 (discontinued).
WATER TEMPERATURES: October 1967 to September 1968, April 1975 to September 1981 (discontinued).

INSTRUMENTATION.--Water-quality monitor April 1975 to September 1979 (discontinued).

REMARKS.--The temperature range for the water-quality monitor, 0.0°C to 36.5°C. Water Quality monitor removed September 1979. Samples for daily temperature and specific conductance were collected by an observer October 1979 to September 1981 (discontinued).

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 824 micromhos Sept. 3, 1981; minimum, 42 micromhos May 29, 1978.
WATER TEMPERATURES: Maximum, higher than 36.5°C Aug. 10, Sept. 1, 1977; minimum, 2.0°C Feb. 10, 1978.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 2.0°C was observed Jan. 23, 1977.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT										
15...	1350	6.7	674	7.3	24.0	5	19	10.0	4.0	K5
DEC										
08...	1100	5.4	650	7.5	13.5	5	25	8.7	3.0	K10
FEB										
10...	1140	1030	90	6.6	6.0	100	380	9.5	2.0	2500
APR										
14...	1530	120	335	7.3	22.0	30	34	8.7	2.4	K10
JUN										
09...	1025	4.3	354	7.6	27.5	20	24	6.3	4.7	K16
AUG										
04...	1400	187	441	7.3	31.0	30	45	5.2	1.8	160

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
OCT										
15...	1200	250	61	23	48	3.8	282	10	36	.3
DEC										
08...	320	260	67	22	38	3.1	300	11	34	.3
FEB										
10...	--	31	8.0	2.6	5.7	3.0	31	7.5	4.1	.1
APR										
14...	1400	133	34	11	18	3.8	135	13	9.5	.2
JUN										
09...	300	140	37	12	19	4.3	145	10	10	.2
AUG										
04...	--	140	36	13	38	4.4	181	10	18	.3

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT									
15...	18	486	369	.04	.11	.69	.21	.10	.09
DEC									
08...	16	386	371	.03	.03	.32	.04	--	.04
FEB									
10...	6.4	67	57	.60	.23	1.3	.70	.10	.09
APR									
14...	13	193	180	<.10	.05	.53	.19	.06	.05
JUN									
09...	17	211	195	<.10	.08	1.5	.15	.08	.07
AUG									
04...	16	253	244	.32	.12	1.6	.23	.10	.11

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT 15...	6	5	100	150	<1	2	10	<10	<1	<1
DEC 08...	1	1	200	160	1	2	20	10	<1	<1
APR 19...	3	2	100	100	1	<1	10	<10	1	<1
JUN 09...	7	5	100	100	1	1	10	<10	3	3

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT 15...	12	3	1300	3	3	<1	360	22	<.1
DEC 08...	9	2	1700	14	7	<1	360	160	.1
APR 19...	5	3	1300	15	4	<1	190	88	<.1
JUN 09...	9	6	1500	8	5	2	450	310	.2

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 15...	<.1	8	1	<1	<1	<1	<1	40	4
DEC 08...	.1	1	2	<1	<1	<1	<1	50	4
APR 19...	<.1	3	3	<1	<1	<1	<1	20	4
JUN 09...	<.1	8	<1	<1	<1	<1	<1	30	4

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 15...	--	2	--	<1	--	<.1	--	1	--	.7	--	.4
FEB 10...	<.1	--	<.1	--	<.01	--	<.1	--	.02	--	<.01	--
APR 19...	<.1	<1	<.1	<1	<.01	<.1	<.1	3	.02	6.9	<.01	4.2

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)
OCT 15...	--	<.1	--	--	<.1	--	<.1	--	<.1	--	--
FEB 10...	.10	--	.01	.03	--	<.01	--	<.01	--	<.01	<.01
APR 19...	<.01	<.1	.01	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01

< Actual value is known to be less than the value shown.

07369500 TENSAS RIVER AT TENDAL, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
OCT 15...	<.1	--	<.1	--	<.1	--	--	<.1	--	--	--
FEB 10...	--	<.01	--	<.01	--	<.01	<.01	--	<.01	<.01	<.01
APR 19...	<.1	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01	<.01

DATE	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	PER-THANE IN BOTTOM MATERIL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 15...	<.1	--	--	<.1	--	<1	--	--	--	--	--
FEB 10...	--	<.01	<.01	--	<.1	--	<.01	<.01	<.01	<.01	<.01
APR 19...	<.1	<.01	<.1	<1	<1	<10	.01	.43	<.01	.08	.01

DATE	TIME	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 15...	1350	142	3.3	78
DEC 08...	1100	134	2.0	66
FEB 10...	1140	1230	3420	99
APR 19...	1530	100	35	100
JUN 09...	1025	146	1.9	89
AUG 04...	1400	156	79	98

< Actual value is known to be less than the value shown.

07369515 TENSAS RIVER SOUTHEAST OF TENDAL, LA

LOCATION.--Lat 32°23'17", long 91°20'05", in SW1/4NW1/4 sec.10, T.16 N., R.11 E., Madison Parish, Hydrologic Unit 08050003, on right bank 1.6 mi (2.6 km) upstream from Judd Bayou, 3.5 mi (5.6 km) southeast of Tendal, and 8.5 mi (13.7 km) downstream from gaging station Tensas River at Tendal (station 07369500).

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1975 to current year (gage heights only). Unpublished records November 1951 to September 1975 available in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 50.07 ft (15.261 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 9, 1962, nonrecording gage at same site and prior to September 30, 1957, at datum 0.31 ft (0.094 m) lower.

REMARKS.--Small diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 21.77 ft (6.635 m) Sept. 14, 1982, minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1951, 21.83 ft (6.654 m) June 12, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 21.77 ft (6.635 m) Sept. 14; minimum, 4.30 ft (1.311 m) Oct. 3-5.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.33	4.36	4.52	4.52	5.84	8.76	5.85	6.72	4.74	9.35	4.89	4.38
2	4.32	4.38	4.49	4.46	5.60	7.86	5.45	6.89	4.54	8.88	5.19	4.38
3	4.31	4.38	4.47	5.11	5.37	7.12	5.01	6.39	4.45	8.12	5.69	4.39
4	4.30	4.37	4.46	6.01	5.14	6.59	4.74	5.78	4.41	7.33	5.93	---
5	4.31	4.37	4.44	6.16	4.94	6.12	4.68	5.37	4.39	6.67	5.92	---
6	4.34	4.36	4.44	5.87	4.84	5.69	4.70	---	4.36	6.14	5.77	---
7	4.35	4.35	4.43	5.50	4.81	5.47	5.09	---	4.35	5.68	5.73	---
8	4.37	4.35	4.43	5.85	4.80	5.50	5.38	---	4.34	5.34	5.87	---
9	4.36	4.35	4.42	5.92	7.51	5.62	5.40	---	4.34	5.13	5.90	---
10	4.38	4.36	4.41	5.45	10.34	5.55	5.28	---	4.33	5.00	5.85	---
11	4.36	4.38	4.40	5.04	10.16	5.37	5.07	---	4.32	4.95	5.76	---
12	4.36	4.38	4.41	4.77	9.12	5.16	4.83	---	4.37	4.88	5.83	---
13	4.37	4.39	4.41	4.69	8.11	4.97	4.66	---	4.54	4.80	6.05	21.47
14	4.38	4.40	4.41	4.63	7.28	4.99	4.59	---	4.84	4.79	5.94	21.73
15	4.38	4.40	4.43	4.70	6.75	4.94	4.49	---	4.91	4.73	5.74	21.66
16	4.38	4.41	4.44	5.74	11.20	4.78	4.44	---	5.58	4.64	5.56	21.37
17	4.38	4.41	4.46	6.15	14.09	4.76	4.45	---	5.74	4.62	5.38	20.99
18	4.40	4.41	4.45	5.99	14.10	4.73	4.44	5.13	5.66	4.59	5.35	20.54
19	4.39	4.41	4.44	5.59	13.32	4.80	4.59	5.13	5.82	4.58	5.32	20.06
20	4.38	4.41	4.43	5.47	12.26	5.06	11.76	5.13	5.89	4.56	5.17	19.44
21	4.37	4.40	4.45	6.31	11.10	5.11	15.09	4.75	5.94	4.56	4.96	18.68
22	4.37	4.40	4.47	9.80	9.87	5.22	15.65	4.61	6.30	4.50	4.80	17.74
23	4.40	4.41	4.46	12.17	8.75	5.37	15.10	4.71	6.44	4.46	4.69	16.79
24	4.38	4.41	4.47	12.04	7.82	5.50	14.22	4.69	6.09	4.47	4.62	15.81
25	4.37	4.42	4.47	11.14	7.19	5.52	13.20	5.68	5.60	4.47	4.60	14.81
26	4.39	4.43	4.47	10.01	6.79	5.25	12.01	7.30	5.24	4.49	4.55	13.68
27	4.38	4.44	4.46	8.99	8.38	4.93	10.72	7.04	7.28	4.50	4.51	12.44
28	4.37	4.44	4.46	7.91	9.35	4.66	9.41	7.05	10.43	4.54	4.44	11.17
29	4.36	4.45	4.45	7.11	---	4.52	8.25	6.53	10.65	4.58	4.41	9.92
30	4.36	4.51	4.44	6.44	---	4.48	7.32	5.71	9.97	4.61	4.49	8.80
31	4.36	---	4.59	6.09	---	5.16	---	5.12	---	4.67	4.41	---
MAX	4.40	4.51	4.58	12.17	14.10	8.76	15.65	7.30	10.65	9.35	6.05	21.73
MIN	4.30	4.35	4.40	4.46	4.80	4.48	4.44	4.61	4.32	4.47	4.40	---

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA

LOCATION.--Lat 32°03'20", long 91°13'35", in NE1/4SE1/4 lot 3, T.12 N., R.12 E., Tensas Parish, Hydrologic Unit 08050003, near left bank on upstream side of Clark Bayou bridge on State Highway 605, 1.5 mi (2.4 km) southeast of Newellton.

DRAINAGE AREA.--23.2 mi^2 (60.1 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1977 to current year (elevations only). Unpublished records from February 1959 to September 1961 available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed from an oxbow lake by two control structures on Clark Bayou. Control structure No. 1 has a 70-ft (21.3-m) long weir with a crest elevation of 63.0 ft (19.2 m) and two timber lift gates with widths of 10-ft (3.0-m) each with a low sill at invert elevation of 56.0 ft (17.1 m). Control structure No. 2 on upper Clark Bayou has a drop inlet weir length of 53-ft (16.2-m) with crest elevation of 65.0 ft (19.8 m) and an 8-ft (2.4-m) wide timber lift gate with invert elevation of 58.5 ft (17.8 m). Pool stage of 65.0 ft (19.8 m) is controlled by structure No. 2 because control structure No. 1, located upstream is submerged. Reservoir is used for irrigation and recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 68.60 ft (20.909 m) Jan. 21, 1979; minimum, 64.22 ft (19.574 m) Nov. 7, 17, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1960 reached an elevation of 66.71 ft (20.333 m) Mar. 4, 5, 6, 1960; minimum, 63.56 ft (19.373 m) Aug. 10, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 67.02 ft (20.428 m) Apr. 21; minimum, 64.67 ft (19.711 m) Nov. 19.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64.92	64.90	64.90	65.20	65.76	66.45	66.24	66.48	65.77	66.08	65.84	65.68
2	64.90	64.89	64.88	65.20	65.78	66.40	66.21	66.43	65.80	66.07	65.96	65.66
3	64.91	64.89	64.88	65.22	65.68	66.35	66.20	66.37	65.75	66.04	65.97	65.63
4	64.95	64.89	64.84	65.23	65.76	66.30	66.20	66.32	65.72	66.01	65.96	65.60
5	64.89	64.90	64.85	65.24	65.75	66.26	66.14	66.27	65.70	66.00	65.94	65.58
6	64.89	64.88	64.86	65.26	65.73	66.22	66.11	66.23	65.70	65.98	65.92	65.57
7	64.90	64.88	64.85	65.23	65.75	66.35	66.11	66.18	65.65	65.95	65.94	65.55
8	64.92	64.88	64.84	65.41	65.74	66.38	66.05	66.16	65.62	65.98	65.92	65.52
9	64.92	64.87	64.83	65.45	65.74	66.30	66.02	66.13	65.60	65.96	65.98	65.50
10	64.90	64.85	64.83	65.46	65.83	66.25	66.02	66.10	65.57	65.94	65.96	65.49
11	65.00	64.85	64.86	65.42	65.81	66.23	65.96	66.06	65.62	65.91	65.93	65.49
12	65.05	64.84	64.90	65.52	65.82	66.20	65.96	66.04	65.64	65.89	66.06	65.61
13	65.05	64.84	64.88	65.47	65.80	66.16	65.93	66.00	65.62	65.89	66.06	65.57
14	64.99	64.83	65.01	65.50	65.81	66.15	65.91	65.94	65.62	65.87	66.04	65.55
15	64.95	64.83	65.02	65.51	65.80	66.12	65.91	65.92	65.63	65.85	66.02	65.54
16	64.94	64.80	65.06	65.56	66.72	66.08	65.90	65.91	65.78	65.83	66.03	65.52
17	64.93	64.81	65.02	65.60	67.00	66.08	65.93	65.88	66.04	65.82	66.01	65.51
18	64.91	64.82	64.99	65.62	66.98	66.04	65.93	65.86	66.06	65.79	65.98	65.50
19	64.89	64.81	65.06	65.62	66.92	66.02	65.89	65.84	66.06	65.77	65.97	65.48
20	64.89	64.75	65.07	65.62	66.86	65.99	66.40	65.82	66.04	65.74	65.95	65.48
21	64.90	64.78	65.10	65.63	66.78	65.97	66.97	65.80	66.02	65.82	65.92	65.46
22	64.89	64.77	65.11	65.66	66.73	66.37	66.99	65.77	66.09	65.80	65.90	65.45
23	64.88	64.78	65.03	65.71	66.65	66.41	66.95	65.75	66.07	65.78	65.87	65.43
24	64.89	64.77	65.04	65.81	66.60	66.47	66.88	65.79	66.06	65.75	65.85	65.43
25	64.92	64.79	65.07	65.82	66.53	66.49	66.82	65.92	66.03	65.73	65.82	65.42
26	64.87	64.78	65.11	65.79	66.50	66.45	66.74	65.94	66.00	65.71	65.80	65.39
27	64.89	64.76	65.08	65.82	66.50	66.44	66.68	65.94	65.98	65.70	65.78	65.39
28	64.89	64.79	65.09	65.78	66.49	66.35	66.63	65.90	65.97	65.67	65.75	65.39
29	64.88	64.80	65.07	65.79	---	66.33	66.57	65.89	65.98	65.66	65.73	65.37
30	64.87	64.80	65.06	65.87	---	66.28	66.54	65.86	66.10	65.66	65.71	65.19
31	64.91	---	65.18	65.70	---	66.28	---	65.84	---	65.68	65.70	---
MAX	65.05	64.90	65.18	65.87	67.00	66.49	66.99	66.48	66.10	66.08	66.06	65.68
MIN	64.86	64.75	64.83	65.20	65.68	65.97	65.89	65.75	65.57	65.66	65.70	65.19

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1962-63, 1969, 1977, 1978 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT								
28...	0915	166	8.2	16.5	50	20	12.0	7.8
JAN								
28...	1015	145	7.6	11.5	20	35	11.1	9.0
APR								
19...	1430	144	7.2	23.0	15	20	6.9	5.6
JUL								
15...	0930	159	8.0	30.0	20	6.0	7.7	7.1

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT									
28...	K20	K85	70	19	5.5	4.0	4.4	77	.6
JAN									
28...	K20	380	52	14	4.1	3.1	4.0	58	3.4
APR									
19...	K36	320	60	16	4.8	2.8	4.2	58	4.0
JUL									
15...	K6	K52	71	20	5.0	3.0	4.3	73	1.0

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT								
28...	2.2	.1	8.7	93	90	.05	3.2	.28
JAN								
28...	3.2	.1	7.1	102	74	.15	1.7	.26
APR								
19...	3.0	.1	7.0	102	77	<.10	1.4	.22
JUL								
15...	2.7	.2	10	110	90	<.10	2.9	.30

DATE	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT											
28...	<1	<1	<1	3	1700	<10	120	<.01	9	18	<.01

DATE	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT											
28...	6	<.1	<1	<.1	<1	<.01	<.1	<.1	31	<.01	32

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)
OCT											
28...	<.01	180	<.01	2.9	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
28...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
28...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
28...	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.01	<.01	<.01

DATE	PHYTOPLANKTON, TOTAL (CELLS PER ML)
OCT	
28...	3300000
APR	
19...	1700000
JUL	
15...	1500000

< Actual value is known to be less than the value shown.

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	OCT 28,81		APR 19,82		JUL 15,82	
TIME	0915		1430		0930	
TOTAL CELLS/ML	3300000		1700000		1500000	
DIVERSITY: DIVISION	0.3		0.4		0.5	
.CLASS	0.3		0.4		0.5	
..ORDER	0.7		0.4		1.5	
...FAMILY	0.8		0.5		1.7	
....GENUS	1.6		1.3		2.5	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)						
.BACILLARIOPHYCEAE						
..BACILLARIALES						
...NITZSCHIACEAE						
....NITZSCHIA	*	0	18000	1	*	0
..EUPODISCALES						
...COSCINODISCACEAE						
....CYCLOTELLA	*	0	*	0	--	-
....MELOSIRA	24000	1	12000	1	*	0
..FRAGILARIALES						
...FRAGILARIACEAE						
....SYNEDRA	*	0	*	0	--	-
..NAVICULALES						
...NAVICULACEAE						
....NAVICULA	--	-	*	0	--	-
CHLOROPHYTA (GREEN ALGAE)						
.CHLOROPHYCEAE						
..CHLOROCOCCALES						
...CHLOROCOCCACEAE						
....SCHROEDERIA	--	-	--	-	*	0
....TETRAEDRON	*	0	*	0	*	0
...DICTYOSPHAERIACEAE						
....DICTYOSPHAERIUM	17000	1	*	0	9600	1
...HYDRODICTYACEAE						
....PEDIASTRUM	--	-	--	-	11000	1
...OOCYSTACEAE						
....ANKISTRODESMUS	*	0	*	0	25000	2
....KIRCHNERIELLA	24000	1	12000	1	18000	1
....NEPHROCYTIUM	--	-	--	-	25000	2
....OOCYSTIS	--	-	*	0	--	-
....SELENASTRUM	--	-	*	0	--	-
....TREUBARIA	--	-	*	0	*	0
...SCENEDESMACEAE						
....CRUCIGENIA	*	0	9600	1	17000	1
....SCENEDESMUS	*	0	16000	1	8300	1
....TETRASTRUM	--	-	*	0	*	0
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	*	0	--	-	*	0
..ZYGNEMATALES						
...DESMIDIACEAE						
....COSMARIUM	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07369647 LAKE ST. JOSEPH NEAR NEWELLTON, LA--Continued

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	OCT 28,81		APR 19,82		JUL 15,82	
TIME	0915		1430		0930	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHRYSOPHYTA						
.XANTHOPHYCEAE						
..MISCHOCOCCALES						
...SCIADACEAE						
....CENTRITRACTUS	--	-	*	0	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)						
.CYANOPHYCEAE						
..CHROOCOCCALES						
...CHROOCOCCACEAE						
....AGMENELLUM	870000#	26	370000#	22	320000#	21
....ANACYSTIS	2100000#	63	1200000#	71	560000#	37
....COCCOCHLORIS	--	-	*	0	--	-
..NOSTOCALES						
...HAMMATOIDEACEAE						
....RAPHIDIOPSIS	44000	1	--	-	11000	1
...NOSTOCACEAE						
....ANABAENA	94000	3	--	-	52000	3
..OSCILLATORIALES						
...OSCILLATORIACEAE						
....LYNGBYA	96000	3	--	-	28000	2
....OSCILLATORIA	24000	1	*	0	410000#	27
EUGLENOPHYTA (EUGLENOIDS)						
.EUGLENOPHYCEAE						
..EUGLENALES						
...EUGLENACEAE						
....TRACHELOMONAS	--	-	--	-	*	0
PYRRHOPHYTA (FIRE ALGAE)						
.DINOPHYCEAE						
..DINOKONTAE						
...GYMNODINIACEAE						
....GYMNODINIUM	--	-	*	0	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07369648 LAKE BRUIN AT LAKE BRUIN STATE PARK, NEAR ST. JOSEPH, LA

LOCATION.--Lat 31°57'40", long 91°12'10", in NW1/4SW1/4 sec.26, T.12 N., R.12 E., Tensas Parish, Hydrologic Unit 08050003, at State Park fishing pier, 3.5 mi (5.6 km) northeast of St. Joseph.

DRAINAGE AREA.--21.4 mi^2 (55.4 km^2).

PERIOD OF RECORD.--February 1959 to September 1964, November 1977 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed from an oxbow lake by Routh ditch control structure at U.S. Highway 65. The 60.7-ft (18.5-m) long weir has a crest elevation of 61.0 ft (18.6 m) which can be raised to 63.0 ft (19.2 m) by stop-logs. There are two 6-ft (1.8-m) wide metal lift gates with an invert elevation of 56.2 ft (17.1 m). Area of lake is 3,000 acres (12.1 km^2) at an elevation of 63.0 ft (19.2 m). Reservoir is used for recreation and public supply.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 65.06 ft (19.830 m) Apr. 14, 1980; minimum, 57.28 ft (17.459 m) Jan. 2, 3, 4, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 60.82 ft (18.538 m) Apr. 26, 29; minimum, 57.78 ft (17.611 m) Dec. 11.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58.64	58.14	57.97	58.00	58.11	59.66	60.05	60.78	60.48	60.68	60.39	60.07
2	58.63	58.15	57.94	57.96	58.08	59.65	60.07	60.78	60.44	60.67	60.39	60.05
3	58.58	58.17	57.93	57.97	58.11	59.67	60.12	60.78	60.42	60.66	60.42	60.02
4	58.53	58.17	57.93	58.03	58.12	59.66	60.09	60.77	60.40	60.65	60.40	59.99
5	58.52	58.14	57.90	58.01	58.10	59.67	60.08	60.75	60.38	60.63	60.40	59.95
6	58.50	58.15	57.89	57.98	58.13	59.65	60.09	60.74	60.36	60.61	60.37	59.92
7	58.50	58.12	57.87	58.00	58.10	59.83	60.04	60.73	60.34	60.59	60.37	59.90
8	58.49	58.10	57.86	58.00	58.08	59.82	60.05	60.74	60.32	60.58	60.37	59.87
9	58.50	58.09	57.86	57.95	58.23	59.82	60.03	60.72	60.30	60.59	60.41	59.83
10	58.50	58.09	57.84	57.98	58.20	60.42	60.02	60.70	60.27	60.56	60.42	59.82
11	58.53	58.07	57.83	57.92	58.19	60.39	60.02	60.68	60.33	60.53	60.39	59.79
12	58.50	58.05	57.88	57.93	58.21	60.45	60.02	60.66	60.34	60.51	60.45	59.84
13	58.48	58.04	57.84	57.96	58.20	60.46	60.01	60.65	60.34	60.51	60.46	59.85
14	58.47	58.00	57.97	57.98	58.18	60.43	60.02	60.63	60.33	60.50	60.43	59.83
15	58.45	57.99	57.96	57.95	58.18	60.42	60.01	60.63	60.31	60.49	60.42	59.82
16	58.43	57.94	57.94	58.00	58.94	60.41	60.03	60.62	60.52	60.49	60.41	59.80
17	58.43	57.97	57.99	57.96	59.44	59.86	60.12	60.60	60.47	60.45	60.40	59.78
18	58.41	57.96	57.95	57.98	59.53	59.86	60.10	60.59	60.47	60.45	60.40	59.77
19	58.32	57.95	57.92	57.98	59.58	59.86	60.09	60.58	60.46	60.43	60.36	59.73
20	58.29	57.95	57.90	57.96	59.58	59.86	60.25	60.57	60.46	60.41	60.34	59.74
21	58.28	57.92	57.86	57.96	59.61	59.84	60.75	60.54	60.48	60.46	60.32	59.72
22	58.27	57.90	57.89	57.97	59.61	60.01	60.76	60.53	60.56	60.44	60.30	---
23	58.26	57.89	57.94	58.03	59.62	59.99	60.77	60.52	60.55	60.42	60.30	---
24	58.24	57.90	57.93	58.10	59.61	60.03	60.77	60.56	60.55	60.42	60.27	59.62
25	58.20	57.88	57.88	58.11	59.62	60.07	60.78	60.60	60.54	60.40	60.25	59.59
26	58.24	57.87	57.90	58.09	59.59	60.04	60.78	60.60	60.51	60.36	60.22	59.56
27	58.20	57.95	57.88	58.06	59.68	60.03	60.79	60.56	60.55	60.37	60.19	59.53
28	58.18	57.92	57.87	58.06	59.67	60.00	60.79	60.55	60.53	60.35	60.18	59.52
29	58.17	57.87	57.89	58.07	---	59.99	60.77	60.55	60.53	60.33	60.15	59.50
30	58.16	57.95	57.85	58.06	---	59.96	60.78	60.52	60.68	60.33	60.12	59.49
31	58.15	---	57.93	58.10	---	60.06	---	60.50	---	60.31	60.10	---
MAX	58.64	58.17	57.99	58.11	59.68	60.46	60.79	60.78	60.68	60.68	60.46	60.07
MIN	58.15	57.87	57.83	57.92	58.08	59.65	60.01	60.50	60.27	60.31	60.10	59.49

07369700 BAYOU MACON NEAR KILBOURNE, LA

LOCATION.--Lat 32°59'35", long 91°15'45", in SW1/4SE1/4 sec.8, T.23 N., R.12 E., East Carroll-West Carroll Parish line, Hydrologic Unit 08050002, near center of channel on downstream side of bridge on State Highway 585, 0.8 mi (1.3 km) south of Arkansas-Louisiana State line, and 3.0 mi (4.8 km) east of Kilbourne.

DRAINAGE AREA.--504 mi^2 or 1,305 km^2 (see REMARKS).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to September 1973 (annual maximum gage height and discharge below 200 ft^3/s or 5.66 m^3/s only). October 1973 to current year (daily gage heights and daily discharges below 200 ft^3/s or 5.66 m^3/s only).

GAGE.--Water-stage recorder. Datum of gage is 75.41 ft (22.985 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Oct. 1, 1965, at datum 2.00 ft (0.610 m) higher.

REMARKS.--Records fair. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined.

AVERAGE DISCHARGE.--11 years (water years 1958-68), 508 ft^3/s (14.39 m^3/s), 368,000 acre-ft/yr (454 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,740 ft^3/s (134 m^3/s) May 5, 1958; maximum gage height, 26.73 ft (8.147 m) Mar. 17, 1973; no flow June 11, 1963, result of pumping for irrigation.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.47 ft (4.410 m) Apr. 23; minimum daily discharge, 30 ft^3/s (0.85 m^3/s) July 10, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	170	---	---	66	181	---	111	---	88	---	---	170
2	150	---	---	65	134	185	114	---	90	137	---	150
3	140	---	118	---	189	---	---	---	85	107	---	130
4	130	---	90	---	---	---	---	---	92	88	164	130
5	120	---	78	---	---	---	---	---	---	75	145	140
6	115	---	75	---	---	---	---	---	189	65	113	150
7	103	---	73	199	---	---	---	---	116	55	---	140
8	97	---	72	141	---	---	---	159	82	45	---	130
9	116	---	71	106	---	---	---	141	75	35	194	137
10	---	---	70	90	---	---	---	136	73	30	173	133
11	182	---	69	77	---	---	167	132	72	30	142	136
12	122	---	70	76	---	---	152	127	171	40	120	---
13	86	---	70	77	---	---	145	123	---	50	103	---
14	67	---	74	72	---	---	142	123	180	55	108	---
15	64	---	71	72	---	---	138	106	140	60	129	---
16	64	---	69	76	---	---	136	---	---	70	170	149
17	63	---	70	73	---	---	182	141	---	80	190	132
18	63	---	69	72	---	---	163	129	---	80	---	129
19	63	---	67	73	---	---	---	139	---	75	---	127
20	64	162	67	73	---	---	---	97	---	80	---	126
21	66	118	68	72	---	---	---	91	195	75	---	122
22	67	117	70	72	---	---	---	90	---	75	---	118
23	145	118	72	72	---	---	---	104	---	141	---	116
24	---	118	72	69	---	---	---	171	---	107	200	114
25	---	108	72	68	---	---	---	119	---	76	160	114
26	---	80	69	67	---	---	---	141	---	87	130	113
27	---	80	68	68	---	---	---	116	173	142	120	112
28	---	79	68	71	---	---	---	105	---	163	110	112
29	---	80	66	70	---	---	---	100	---	199	120	111
30	---	162	65	71	---	187	---	90	155	173	150	114
31	---	---	67	129	---	120	---	89	---	177	180	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	63	79	65	65	134	120	111	89	72	30	103	129

07369700 BAYOU MACON NEAR KILBOURNE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.13	3.50	1.71	2.86	3.21	2.09	7.02	1.83	3.00	6.17	---
2	---	4.19	3.22	1.69	2.39	2.86	2.12	6.25	1.85	2.32	6.94	---
3	---	4.23	2.30	4.27	2.94	3.80	5.35	5.99	1.80	1.99	3.92	---
4	---	4.25	1.98	7.12	3.43	4.31	5.78	5.89	1.87	1.78	2.57	---
5	---	4.24	1.85	5.05	5.14	4.28	6.84	5.82	3.64	---	2.38	---
6	---	4.27	1.81	3.74	6.14	4.43	6.41	5.61	2.90	---	2.03	---
7	2.08	4.91	1.79	3.04	6.12	5.34	6.13	3.67	2.15	---	4.25	---
8	2.01	5.17	1.78	2.46	5.91	4.82	6.11	2.60	1.76	---	3.39	---
9	2.22	5.16	1.76	2.07	8.08	4.38	5.98	2.42	1.68	---	2.87	2.45
10	3.33	5.15	1.75	1.89	9.04	4.23	4.14	2.37	1.66	---	2.66	2.40
11	2.91	5.66	1.74	1.75	10.91	4.15	2.72	2.32	1.65	---	2.34	2.44
12	2.29	5.74	1.75	1.74	12.36	4.10	2.53	2.27	2.72	---	2.10	5.25
13	1.89	4.37	1.76	1.75	12.72	4.09	2.46	2.23	3.58	---	1.92	6.06
14	1.66	3.28	1.79	1.69	12.39	4.06	2.43	2.22	2.81	---	1.98	3.97
15	1.63	3.20	1.76	1.69	11.59	4.53	2.39	2.03	2.41	---	2.21	2.98
16	1.62	3.21	1.74	1.74	12.72	4.42	2.37	4.28	3.49	---	---	2.57
17	1.61	3.21	1.75	1.70	12.34	5.54	2.83	2.41	6.12	---	---	2.40
18	1.61	3.22	1.73	1.68	10.84	6.27	2.64	2.27	4.78	---	---	2.37
19	1.61	3.19	1.71	1.70	9.66	4.38	5.19	2.39	3.48	---	---	2.34
20	1.62	2.76	1.71	1.70	8.95	4.03	10.43	1.93	3.15	---	---	2.33
21	1.65	2.29	1.73	1.69	8.58	3.97	12.78	1.86	2.96	1.63	---	2.29
22	1.66	2.29	1.75	1.69	8.30	4.69	14.10	1.85	6.76	1.63	---	2.25
23	2.54	2.30	1.78	1.68	7.96	4.07	14.41	2.01	5.70	2.36	---	2.23
24	3.30	2.30	1.78	1.65	7.81	3.91	14.36	2.72	3.92	2.00	---	2.21
25	3.33	2.19	1.78	1.64	6.68	3.86	13.99	2.17	3.05	1.64	---	2.20
26	3.35	1.87	1.74	1.63	4.16	3.81	13.42	2.41	3.22	1.77	---	2.19
27	3.31	1.87	1.73	1.64	4.69	3.77	12.73	2.14	2.69	2.37	---	2.18
28	3.28	1.86	1.72	1.67	4.05	3.76	11.78	2.02	3.00	2.59	---	2.18
29	3.29	1.87	1.71	1.67	---	3.73	10.62	1.96	3.14	2.95	---	2.17
30	3.31	2.76	1.69	1.68	---	2.88	8.84	1.85	2.51	2.69	---	2.20
31	3.84	---	1.72	2.31	---	2.19	---	1.84	---	2.73	---	---
MAX	3.84	5.74	3.50	7.12	12.72	6.27	14.41	7.02	6.76	3.00	---	6.06
MIN	1.61	1.86	1.69	1.63	2.39	2.19	2.09	1.84	1.65	---	1.92	2.17

07369700 BAYOU MACON NEAR KILBOURNE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958, 1966-72, 1976-77, 1981 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT								
15...	1200	392	6.6	22.5	5	25	7.3	2.1
JAN								
27...	1330	394	7.4	8.5	15	10	12.2	1.8
APR								
20...	1030	182	6.7	17.5	120	270	8.0	2.3
JUL								
14...	1145	368	6.9	30.5	20	20	6.2	5.4

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT									
15...	170	3800	150	39	13	23	5.7	131	24
JAN									
27...	K77	K90	140	35	12	19	4.2	137	22
APR									
20...	4000	24000	66	17	5.8	9.0	3.3	47	33
JUL									
14...	K50	210	150	40	12	15	2.9	143	14

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT								
15...	28	.2	14	231	226	.32	.60	.14
JAN								
27...	27	.2	8.7	215	210	.23	.35	.11
APR								
20...	9.7	.1	7.5	117	113	1.3	.75	.36
JUL								
14...	12	.2	16	219	198	.81	2.9	.27

K Results based on colony count outside the acceptable range (non-ideal count).

07369700 BAYOU MACON NEAR KILBOURNE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT 15...	3	<1	1	<1	6	<1	5	10	3	12000	<1

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
OCT 15...	20	110	1400	<.1	<.01	6	66	5.9	<.01	2	<.1

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 15...	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	.2	<.01	<.1

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 15...	.01	<.1	.01	<.1	.01	<.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 15...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 15...	<.01	<.1	.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 15...	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.01	.27	<.01

< Actual value is known to be less than the value shown.

07370000 BAYOU MACON NEAR DELHI, LA

LOCATION.--Lat 32°27'25", long 91°28'30", in NE1/4SE1/4 sec. 18, T.17 N., R.10 E., Madison-Richland Parish line, Hydrologic Unit 08050002, near right bank on downstream side of bridge on U.S. Highway 80, 0.2 mi (0.3 km) upstream from Illinois Central Gulf Railroad bridge, and 1.0 mi (1.6 km) east of Delhi.

DRAINAGE AREA.--782 mi^2 (2,025 km^2).

PERIOD OF RECORD.--October 1935 to current year. Monthly discharge only for some periods published in WSP 1311. Daily gage heights as follows: 1885-99 in reports of National Weather Service; September 1925 to December 1931 in files of Corps of Engineers, Vicksburg district; and since January 1932 in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WDR LA-77-1: 1976.

GAGE.--Water-stage recorder. Datum of gage is 50.05 ft (15.255 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 14, 1949, nonrecording gage; Mar. 14, 1949, to Oct. 1, 1963, water-stage recorder; all gages within 2,000 ft (610 m) downstream at same datum. Auxiliary water-stage recorder 7.7 mi (12.4 km) downstream from base gage at datum 46.05 ft (14.036 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 9, 1972, auxiliary gages at different sites and datum. See WDR LA-76-1 for history of changes prior to Mar. 9, 1972.

REMARKS.--Records good. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--47 years, 972 ft^3/s (27.53 m^3/s), 704,200 acre-ft/yr (868 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,480 ft^3/s (268 m^3/s) Jan. 21, 1979; maximum gage height, 26.00 ft (7.925 m) May 6, 7, 1958; no flow May 25, 26, 28, June 1, 1963, result of temporary dam. Minimum not regulated, 30 ft^3/s (0.85 m^3/s).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1882 reached a stage of 37.5 ft (11.4 m), present site and datum, from records of National Weather Service (affected by overflow from Mississippi River).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,070 ft^3/s (115 m^3/s) Sept. 13; maximum gage height, 18.85 ft. (5.745 m) Sept. 14; minimum discharge, 16 ft^3/s (0.45 m^3/s) July 11, gage height, 6.33 ft (1.929 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	221	257	153	125	278	523	264	1140	133	411	535	189
2	201	312	212	121	269	343	196	918	107	346	1350	160
3	160	324	248	173	217	269	364	728	93	193	1390	147
4	144	326	211	617	205	284	785	663	80	120	797	148
5	142	325	160	836	241	349	1110	641	80	80	353	166
6	143	323	136	575	415	432	1380	616	150	56	245	168
7	151	319	125	443	605	808	923	599	225	47	772	148
8	155	364	121	331	621	597	696	431	158	37	738	126
9	143	419	115	224	1520	519	645	272	101	26	484	120
10	146	420	115	180	1740	416	603	217	76	19	311	124
11	195	420	114	140	1320	381	437	200	69	18	209	137
12	206	495	120	139	1310	354	256	184	117	21	174	2340
13	192	543	120	141	1450	360	218	174	359	22	166	4020
14	148	437	136	128	1520	335	199	170	453	25	137	3700
15	128	294	135	127	1540	330	185	167	297	34	140	2850
16	114	247	130	211	3270	370	177	159	301	40	164	2070
17	105	237	135	191	3730	491	193	347	1110	43	226	1550
18	110	231	122	164	3040	907	216	239	1220	51	399	1510
19	102	230	115	157	2360	800	348	232	736	59	621	494
20	98	223	113	151	1350	493	1410	351	423	57	551	307
21	99	216	110	461	1120	393	3210	284	306	54	467	272
22	102	177	119	975	1030	529	3200	179	407	60	427	244
23	110	158	130	1020	963	645	2890	132	651	72	367	228
24	114	157	125	730	923	492	2730	139	634	89	296	221
25	170	152	120	293	883	399	2350	239	431	110	230	209
26	216	150	119	173	680	354	1940	242	469	105	157	194
27	229	149	121	135	1240	327	1710	347	1050	99	136	180
28	226	132	124	127	881	314	1600	295	661	102	179	172
29	225	127	121	116	---	317	1460	210	571	193	143	167
30	225	131	116	117	---	315	1350	170	558	225	219	163
31	228	---	123	174	---	361	---	154	---	233	221	---
TOTAL	4930	8294	4164	9535	34921	13947	33445	10879	12026	3047	12734	23124
MEAN	159	276	134	308	1247	450	1115	351	401	98.3	411	771
MAX	229	543	248	1020	3730	907	3210	1180	1220	411	1390	4020
MIN	98	127	110	116	205	269	177	132	69	18	137	120
AC-FT	9780	16450	8260	18910	69270	27660	66340	21580	23850	6040	25260	45870

CAL YR 1981 TOTAL 124411 MEAN 341 MAX 2690 MIN 56 AC-FT 246800
WTR YR 1982 TOTAL 171034 MEAN 469 MAX 4020 MIN 18 AC-FT 339200

07370000 BAYOU MACON NEAR DELHI, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.13	8.22	7.86	7.73	8.26	8.74	8.23	9.61	7.69	8.48	8.65	7.94
2	8.05	8.35	8.09	7.71	8.25	8.41	8.04	9.23	7.53	8.37	9.92	7.83
3	7.96	8.38	8.19	7.94	8.10	8.25	8.43	8.97	7.44	7.98	9.98	7.76
4	7.82	8.33	8.08	8.96	8.07	8.28	9.13	8.89	7.32	7.67	9.07	7.77
5	7.81	8.38	7.90	9.19	8.17	8.43	9.60	8.85	7.32	7.39	8.36	7.85
6	7.81	8.37	7.78	8.82	8.55	8.58	9.99	8.81	7.74	7.11	8.09	7.86
7	7.86	8.36	7.73	8.67	8.87	9.16	9.31	8.79	8.05	6.94	9.03	7.77
8	7.97	8.46	7.70	8.38	8.90	9.01	9.01	8.50	7.80	6.73	8.99	7.66
9	7.82	8.56	7.67	8.12	10.19	8.73	8.94	8.17	7.49	6.52	8.60	7.63
10	7.83	8.56	7.67	7.98	10.52	8.56	8.87	8.02	7.28	6.39	8.27	7.65
11	7.99	8.66	7.66	7.80	9.89	8.49	8.59	7.97	7.19	6.36	8.01	7.72
12	8.09	8.69	7.70	7.79	9.99	8.44	8.21	7.92	7.55	6.43	7.89	12.28
13	7.98	8.77	7.70	7.80	10.16	8.45	8.11	7.87	8.35	6.44	7.85	17.43
14	7.84	8.59	7.78	7.74	10.21	8.40	8.05	7.86	8.54	6.49	7.71	18.67
15	7.74	8.31	7.78	7.73	10.24	8.39	8.00	7.85	8.23	6.67	7.73	17.43
16	7.66	8.19	7.75	8.08	12.69	8.47	7.97	7.80	8.23	6.80	7.85	15.25
17	7.60	8.16	7.78	8.02	14.27	8.58	8.03	8.34	9.52	6.87	8.05	12.76
18	7.63	8.15	7.71	7.92	13.22	9.28	8.10	8.08	9.69	7.02	8.44	10.18
19	7.58	8.14	7.67	7.88	11.38	9.14	8.35	8.05	8.97	7.17	8.83	8.61
20	7.55	8.12	7.66	7.86	9.94	8.69	10.61	8.35	8.47	7.13	8.72	8.31
21	7.56	8.07	7.63	8.50	9.57	8.51	12.87	8.20	8.25	7.08	8.58	8.23
22	7.58	7.97	7.69	9.37	9.44	8.74	13.55	7.89	8.45	7.19	8.51	8.15
23	7.63	7.89	7.75	9.44	9.35	8.99	12.84	7.68	8.85	7.32	8.39	8.11
24	7.66	7.89	7.72	9.04	9.30	8.69	12.06	7.71	8.83	7.48	8.24	8.09
25	7.93	7.86	7.70	8.29	9.25	8.53	11.36	8.09	8.49	7.64	8.07	8.05
26	8.10	7.85	7.69	7.95	9.25	8.44	10.78	8.10	8.52	7.61	7.94	8.00
27	8.14	7.84	7.71	7.78	9.76	8.38	10.48	8.34	9.40	7.55	7.93	7.95
28	8.13	7.76	7.72	7.73	9.25	8.35	10.31	8.23	8.85	7.58	7.91	7.92
29	8.13	7.74	7.70	7.68	---	8.36	10.10	8.00	8.72	7.95	7.96	7.89
30	8.13	7.75	7.67	7.68	---	8.36	9.92	7.86	8.70	8.06	8.04	7.88
31	8.14	---	7.71	7.94	---	8.45	---	7.79	---	8.08	8.05	---
MAX	8.14	8.77	8.19	9.44	14.27	9.28	13.55	9.61	9.69	8.48	9.98	18.67
MIN	7.55	7.74	7.63	7.68	8.07	8.25	7.97	7.68	7.19	6.36	7.71	7.63

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA

LOCATION.--Lat 32°12'25", long 92°48'05", in NW1/4SW1/4 sec. 8, T. 14 N., R.4 W., Bienville-Jackson Parish line, Hydrologic Unit 08040303, on left bank just upstream from bridge on State Highway 4, 200 ft (61 m) downstream from Brush Creek, 1.5 mi (2.4 km) downstream from McDonald Creek, and 5.4 mi (8.7 km) west of Jackson Parish courthouse in Jonesboro.

DRAINAGE AREA.--355 mi^2 (919 km^2).

PERIOD OF RECORD.--October 1938 to September 1957, October 1977 to current year. November 1957 to September 1977 (annual maximum, daily gage heights, and miscellaneous discharge measurements only).

REVISED RECORDS.--WRD LA-1971: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 116.53 ft (35.518 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 29, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good. Water used by paper mill at Hodge is pumped from wells and discharged into stream about 7 mi (11 km) above station. Most of effluent is discharged continually whenever mill is operating, but some waste water is stored in a reservoir and released whenever river flow is sufficient to materially dilute it. Records of dissolved oxygen and water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--24 years (water years 1939-57, 1978-82), 399 ft^3/s (11.30 m^3/s), 289,100 acre-ft/yr (356 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,600 ft^3/s (867 m^3/s) Jan. 1, 1945, gage height, 19.87 ft (6.056 m); minimum gage height, 2.67 ft (0.814 m) Sept. 26, 1955. Minimum discharge observed, 0.4 ft^3/s (0.011 m^3/s) Aug. 31, 1954 (discharge measurement), but may have been less in September 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,000 ft^3/s (85 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
April 21	0730	*4570	129	*14.11	4.301

Minimum discharge, 7.1 ft^3/s (0.20 m^3/s) Sept. 24; minimum gage height, 3.22 ft (0.981 m) Dec. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	22	23	18	102	394	125	352	17	159	29	15
2	15	24	22	20	142	387	120	367	15	318	26	14
3	15	25	19	20	160	303	126	304	13	367	27	16
4	15	23	22	24	133	215	126	200	12	287	55	15
5	15	21	24	23	104	168	134	140	13	145	59	17
6	17	20	22	35	93	148	194	111	14	91	46	14
7	20	20	21	51	89	151	305	90	13	66	36	11
8	24	20	21	41	96	177	284	77	13	53	33	11
9	25	20	20	37	129	249	182	68	15	44	30	11
10	26	21	19	32	226	242	129	60	15	36	27	11
11	24	22	18	30	327	183	106	53	14	32	27	12
12	22	21	17	29	355	151	92	48	15	31	28	12
13	20	21	18	38	298	136	82	41	18	33	26	14
14	19	19	20	41	198	124	77	37	43	29	20	13
15	19	18	23	40	149	115	71	37	65	24	15	11
16	21	18	20	48	410	109	65	34	42	22	21	10
17	19	19	18	51	808	116	68	29	30	23	30	10
18	18	20	20	55	945	159	78	25	24	25	25	9.0
19	19	20	23	63	861	142	98	25	22	23	22	8.1
20	18	19	21	57	824	124	1730	43	27	22	19	11
21	16	19	21	54	706	116	4260	163	26	21	16	11
22	15	19	23	102	428	181	3390	192	44	21	15	9.8
23	18	18	24	174	253	341	2670	107	202	23	14	8.2
24	19	17	20	180	169	462	1900	59	327	30	14	7.2
25	19	18	19	148	137	532	1340	39	339	43	14	7.5
26	19	18	18	113	135	569	924	28	192	54	13	8.8
27	22	18	18	89	245	478	633	22	95	45	14	9.4
28	21	19	17	71	354	313	430	20	73	33	17	9.7
29	20	19	17	59	---	202	315	22	107	30	17	10
30	20	21	16	53	---	155	317	21	105	31	21	10
31	20	---	17	67	---	138	---	18	---	30	18	---
TOTAL	595	599	621	1863	8876	7280	20371	2832	1950	2191	774	336.7
MEAN	19.2	20.0	20.0	60.1	317	235	679	91.4	65.0	70.7	25.0	11.2
MAX	26	25	24	180	945	569	4260	367	339	367	59	17
MIN	15	17	16	18	89	109	65	18	12	21	13	7.2
AC-FT	1180	1190	1230	3700	17610	14440	40410	5620	3870	4350	1540	668

CAL YR 1981 TOTAL 24176.0 MEAN 66.2 MAX 841 MIN 13 AC-FT 47950

WTR YR 1982 TOTAL 48288.7 MEAN 132 MAX 4260 MIN 7.2 AC-FT 95780

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.56	3.87	4.07	3.78	5.83	9.13	6.29	8.84	3.71	6.80	3.86	3.57
2	3.54	3.95	4.02	3.89	6.60	9.08	6.18	8.95	3.64	8.60	3.79	3.52
3	3.56	3.98	3.94	3.91	6.94	8.48	6.31	8.49	3.53	8.95	3.82	3.60
4	3.53	3.90	4.02	4.05	6.43	7.68	6.30	7.50	3.51	8.33	4.56	3.59
5	3.55	3.86	4.10	4.07	5.87	7.07	6.47	6.58	3.54	6.57	4.68	3.69
6	3.63	3.83	4.03	4.44	5.65	6.73	7.38	5.99	3.59	5.38	4.35	3.60
7	3.74	3.82	4.01	4.89	5.56	6.79	8.51	5.59	3.53	4.82	4.08	3.47
8	3.90	3.83	3.99	4.65	5.70	7.19	8.33	5.31	3.52	4.53	4.01	3.46
9	3.97	3.82	3.96	4.53	6.35	8.03	7.25	5.10	3.64	4.28	3.92	3.46
10	4.01	3.89	3.93	---	7.77	7.97	6.36	4.91	3.63	4.07	3.84	3.47
11	3.97	3.91	3.91	---	8.67	7.29	5.90	4.76	3.57	3.95	3.85	3.50
12	3.87	3.90	3.84	4.34	8.87	6.79	5.61	4.61	3.61	3.93	3.89	3.52
13	3.82	3.89	3.87	4.59	8.44	6.49	5.41	4.45	3.73	3.99	3.84	3.56
14	3.78	3.84	3.95	4.69	7.48	6.26	5.30	4.34	4.45	3.87	3.63	3.55
15	3.79	3.81	4.07	4.66	6.74	6.09	5.18	4.32	5.03	3.71	3.46	3.47
16	3.84	3.82	3.98	4.86	9.05	5.96	5.04	4.26	4.48	3.67	3.68	3.42
17	3.80	3.87	3.88	4.94	10.59	6.09	5.11	4.09	4.14	3.70	3.99	3.41
18	3.75	3.89	3.95	5.09	10.99	6.92	5.33	3.97	3.94	3.75	3.86	3.35
19	3.77	3.88	4.05	5.37	10.80	6.61	5.67	3.99	3.87	3.70	3.73	3.30
20	3.73	3.88	4.00	5.21	10.63	6.27	11.65	4.45	4.05	3.66	3.64	3.44
21	3.66	3.89	3.99	5.15	10.27	6.09	13.93	6.98	4.02	3.61	3.56	3.43
22	3.63	3.89	4.06	5.94	9.29	7.19	13.36	7.40	4.44	3.63	3.51	3.39
23	3.72	3.84	4.09	7.15	8.05	8.75	12.87	5.93	7.44	3.67	3.48	3.31
24	3.79	3.83	3.93	7.25	7.08	9.51	12.24	4.88	8.67	3.91	3.47	3.24
25	3.79	3.87	3.72	6.71	6.52	9.83	11.63	4.40	8.75	4.25	3.50	3.26
26	3.80	3.88	3.53	6.05	6.48	9.98	10.91	4.07	7.32	4.54	3.44	3.34
27	3.89	3.89	3.35	5.56	7.96	9.58	10.10	3.90	5.69	4.30	3.49	3.37
28	3.86	3.89	3.24	5.17	8.86	8.55	9.33	3.82	5.21	4.00	3.61	3.38
29	3.82	3.91	3.23	4.90	---	7.53	8.58	3.89	5.92	3.90	3.63	3.42
30	3.82	3.99	3.36	4.75	---	6.86	8.60	3.86	5.87	3.92	3.78	3.40
31	3.82	---	3.52	5.08	---	6.53	---	3.75	---	3.89	3.68	---
MAX	4.01	3.99	4.10	7.25	10.99	9.98	13.93	8.95	8.75	8.95	4.68	3.69
MIN	3.53	3.81	3.23	3.78	5.56	5.96	5.04	3.75	3.51	3.61	3.44	3.24

07372190 LITTLE RIVER AT ROCHELLE, LA

LOCATION.--Lat 31°47'35", long 92°21'42", in NW1/4NW1/4 sec. 3, T.9 N., R.1 E. (revised), Grant - La Salle Parish line, Hydrologic Unit 08040304, near center of channel on downstream side of bridge on U.S. Highway 165, at Rochelle, 0.2 mi (0.3 km) downstream from confluence of Castor Creek and Dugdemona River, and 5.0 mi (8.0 km) upstream from gaging station Little River near Rochelle (station 07372200).

DRAINAGE AREA.--1,892 mi^2 (4,900 km^2).

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Gage heights October 1938 to November 1946, February 1948 to September 1957 in files of Corps of Engineers. Unpublished records from October 1957 to September 1973 available in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 24.79 ft (7.556 m) National Geodetic Vertical Datum of 1929. Prior to May 9, 1960, nonrecording gage 0.1 mi (0.2 km) upstream at same datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 43.43 ft (13.237 m) Apr. 14, 1974; minimum, 6.64 ft (2.024 m) Sept. 25, 26, 27, 1980, Oct. 6, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1938, 50.90 ft (15.514 m) May 19, 1953, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 38.27 ft (8.181 m) Apr. 24, minimum daily, 6.64 ft (2.024 m) Oct. 6, from graph based on gage readings.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.81	---	7.12	7.84	---	20.35	16.07	33.12	9.41	15.58	7.81	7.06
2	6.97	7.56	7.07	7.89	---	19.41	15.45	31.65	9.38	14.33	8.06	7.03
3	---	7.96	6.99	7.91	---	18.13	14.54	29.68	9.33	13.18	8.07	6.99
4	---	7.91	7.15	---	11.50	17.02	13.54	27.23	9.27	12.63	7.88	7.13
5	6.68	7.66	---	---	11.49	16.12	12.91	23.83	9.28	12.51	7.77	7.36
6	6.64	7.45	---	---	11.62	15.46	12.41	19.92	9.29	12.47	8.33	7.31
7	7.04	---	6.93	---	11.65	15.09	12.00	16.91	9.24	12.48	8.52	7.20
8	7.51	---	7.55	---	11.66	15.11	11.68	15.17	9.21	12.45	8.49	7.12
9	7.68	7.37	7.84	---	12.89	15.30	11.51	14.02	9.18	12.11	8.67	7.03
10	---	7.26	7.78	---	13.80	15.02	11.44	12.92	9.15	11.28	8.77	6.96
11	---	7.33	7.68	---	14.27	14.51	11.54	11.95	9.17	10.22	9.07	6.98
12	7.15	7.28	7.60	---	14.56	14.03	11.74	11.30	9.12	9.39	9.13	8.10
13	7.11	7.18	7.56	---	14.27	13.58	11.77	10.87	9.13	8.98	10.85	8.65
14	7.20	---	7.63	---	14.03	13.24	11.48	10.74	9.23	8.65	10.68	8.37
15	7.09	---	7.57	---	14.03	12.93	11.05	10.55	9.38	8.32	9.45	7.86
16	7.01	7.12	7.53	---	18.68	12.51	10.70	10.34	9.54	8.10	8.76	7.64
17	---	7.01	7.51	---	22.27	12.03	11.05	10.18	9.67	8.03	8.55	7.41
18	---	7.05	7.45	---	22.75	11.61	12.34	10.02	9.87	7.95	8.40	7.23
19	7.07	7.06	7.40	---	22.18	11.31	14.86	9.91	10.07	7.90	8.18	7.17
20	7.00	7.07	7.41	---	21.37	11.06	22.44	9.81	10.31	7.95	7.90	7.52
21	6.98	---	7.52	---	20.64	11.40	29.98	9.73	10.62	7.84	7.67	8.24
22	6.94	---	7.76	9.96	19.93	19.94	33.97	9.64	10.99	7.68	7.52	8.41
23	7.02	7.02	7.90	10.03	19.45	24.44	37.65	9.61	11.48	7.77	7.61	8.13
24	---	6.93	7.89	10.35	19.30	25.55	38.19	9.58	11.77	8.00	7.68	7.74
25	---	6.84	7.80	10.67	19.32	25.54	37.73	9.56	11.88	7.97	7.55	7.41
26	7.17	6.83	7.77	10.76	19.32	24.47	37.01	9.84	11.91	7.83	7.38	7.21
27	7.37	7.73	7.75	10.84	20.41	22.59	36.32	10.16	11.91	7.71	7.25	7.16
28	7.47	---	7.69	10.96	20.69	20.30	35.69	10.11	12.50	7.85	7.18	7.11
29	7.19	---	7.63	---	---	18.52	35.01	9.87	13.75	7.70	7.12	7.05
30	6.98	6.87	7.67	---	---	17.36	34.20	9.65	15.62	7.58	7.08	7.00
31	---	---	7.79	---	---	16.59	---	9.50	---	7.62	7.07	---
MAX	7.68	7.96	7.90	---	22.75	25.55	38.19	33.12	15.62	15.58	10.85	8.65
MIN	6.64	6.83	6.93	7.84	11.49	11.06	10.70	9.50	9.12	7.58	7.07	6.96

07372200 LITTLE RIVER NEAR ROCHELLE, LA

LOCATION.--Lat 31°45'15", long 92°20'40", in SW1/4SW1/4 sec.14, T.9 N., R.1 E., Grant - La Salle Parish line, Hydrologic Unit 08040304, near right bank on downstream side of pier of bridge on State Highway 500, 700 ft (213 m) upstream from Louisiana Midland Railway Co. bridge, 1.1 mi (1.8 km) northeast of Zenoria, and 3.0 mi (4.8 km) southeast of Rochelle.

DRAINAGE AREA.--1,899 mi^2 (4,918 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WRD LA-1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 24.79 ft (7.556 m) National Geodetic Vertical Datum of 1929. Water-stage recorder for station Little River at Rochelle (station 07372190) used as auxiliary gage for this station since May 9, 1960. Prior to May 9, 1960, auxiliary nonrecording gage 5.1 mi (8.2 km) upstream from base gage at same datum.

REMARKS.--Records good. Natural flow is supplemented by effluent from operation of several oil fields upstream from station. Records of dissolved oxygen and water temperatures for water 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--25 years, 1,961 ft^3/s (55.54 m^3/s), 14.02 in/yr (356 mm/yr), 1,421,000 acre-ft/yr (1.75 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,800 ft^3/s (1,550 m^3/s) Apr. 14, 1974, gage height, 40.20 ft (12.253 m); minimum discharge, 9.6 ft^3/s (0.27 m^3/s) Sept. 26, 27, 1980, gage height, 4.87 ft (1.484 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,400 ft^3/s (606 m^3/s) Apr. 24, gage height, 35.53 ft (10.830 m); minimum daily, 16 ft^3/s (0.45 m^3/s) Oct. 4, 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	32	31	70	500	2100	1170	7100	121	1050	67	36
2	17	49	31	73	490	1880	1050	5950	111	779	83	34
3	17	70	30	79	480	1610	867	4710	104	581	88	32
4	16	77	30	98	445	1370	682	3660	99	526	78	32
5	16	70	29	120	443	1180	595	2760	95	535	69	42
6	19	59	28	118	457	1060	526	1870	93	546	93	45
7	30	55	27	110	463	988	469	1260	90	563	120	42
8	42	50	33	105	465	991	427	940	87	564	123	36
9	40	46	59	98	624	1030	399	745	84	518	137	30
10	38	42	64	90	764	974	383	577	81	413	152	27
11	36	41	61	88	841	879	395	448	80	297	177	29
12	34	40	57	90	891	794	422	365	77	215	194	93
13	32	39	55	98	841	719	424	311	75	178	348	141
14	31	38	59	110	798	668	390	293	78	149	359	126
15	31	36	58	120	795	622	337	270	84	122	235	88
16	31	35	55	135	1730	558	290	248	89	102	180	69
17	30	32	54	150	2590	488	333	230	91	92	164	55
18	31	32	51	165	2730	433	517	208	102	85	148	44
19	31	31	48	190	2570	392	955	192	108	79	126	37
20	30	27	47	210	2360	359	2630	179	116	81	104	46
21	28	26	50	240	2180	406	5270	167	138	85	85	86
22	26	25	59	259	2010	1690	7320	156	153	73	83	112
23	26	25	68	265	1890	3080	16000	148	237	70	73	99
24	27	24	73	295	1850	3510	21000	145	246	79	75	77
25	29	24	70	335	1840	3540	18900	140	207	81	70	57
26	32	25	67	350	1850	3240	15500	197	187	76	61	44
27	35	28	65	359	2110	2690	13000	245	200	66	53	37
28	37	30	63	375	2140	2100	11100	234	395	73	47	31
29	36	28	59	410	---	1690	9530	197	686	72	42	28
30	33	27	60	440	---	1440	8360	161	1090	62	39	25
31	31	---	68	480	---	1280	---	138	---	60	38	---
TOTAL	909	1163	1609	6125	37197	43761	139241	34244	5404	8272	3711	1680
MEAN	29.3	38.8	51.9	198	1328	1412	4641	1105	180	267	120	56.0
MAX	42	77	73	480	2730	3540	21000	7100	1090	1050	359	141
MIN	16	24	27	70	443	359	290	138	75	60	38	25
CFSM	.02	.02	.03	.10	.70	.74	2.44	.58	.10	.14	.06	.03
IN.	.02	.02	.03	.12	.73	.86	2.73	.67	.11	.16	.07	.03
AC-FT	1800	2310	3190	12150	73780	86800	276200	67920	10720	16410	7360	3330

CAL YR 1981 TOTAL 135564 MEAN 371 MAX 4000 MIN 16 CFSM .20 IN 2.66 AC-FT 268900
WTR YR 1982 TOTAL 283316 MEAN 776 MAX 21000 MIN 16 CFSM .41 IN 5.55 AC-FT 562000

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.89	5.31	5.25	5.96	10.27	17.97	14.25	30.12	9.19	14.02	5.91	5.27
2	4.88	5.60	5.24	6.01	10.01	17.17	13.72	29.02	9.19	13.13	6.14	5.24
3	4.87	5.92	5.25	6.12	9.80	16.07	13.03	27.47	9.16	12.17	6.22	5.20
4	4.87	6.08	5.22	6.45	9.61	15.05	12.20	25.30	9.11	11.56	6.10	5.18
5	4.88	6.04	5.19	6.71	9.56	14.21	11.59	22.07	9.14	11.29	5.96	5.38
6	4.96	5.88	5.18	6.61	9.64	13.59	11.17	18.45	9.15	11.09	6.18	5.48
7	5.24	5.73	5.18	6.38	9.73	13.23	10.85	15.59	9.10	10.93	6.56	5.43
8	5.45	5.64	5.26	6.29	9.79	13.17	10.60	13.85	9.08	10.80	6.58	5.33
9	5.37	5.58	5.72	6.20	10.71	13.33	10.52	12.74	9.06	10.49	6.71	5.22
10	5.37	5.50	5.85	6.04	11.93	13.18	10.52	11.75	9.03	9.83	6.82	5.15
11	5.38	5.46	5.83	5.99	12.25	12.77	10.59	10.93	9.06	8.93	7.07	5.18
12	5.31	5.45	5.76	6.07	12.58	12.37	10.74	10.41	9.01	8.15	7.29	6.30
13	5.28	5.45	5.72	6.50	12.45	11.97	10.77	10.10	9.03	7.61	8.37	6.95
14	5.26	5.45	5.79	6.95	12.29	11.64	10.54	10.03	9.13	7.22	9.02	6.88
15	5.25	5.41	5.78	7.18	12.33	11.37	10.22	9.91	9.28	6.85	7.96	6.38
16	5.27	5.36	5.74	7.44	16.33	11.05	10.00	9.74	9.43	6.53	7.23	6.01
17	5.28	5.32	5.71	7.80	19.89	10.71	10.24	9.63	9.57	6.35	7.09	5.78
18	5.24	5.29	5.66	7.84	20.32	10.41	11.10	9.53	9.75	6.24	6.82	5.57
19	5.24	5.24	5.61	7.86	19.74	10.21	12.77	9.48	9.94	6.13	6.56	5.40
20	5.25	5.15	5.58	7.89	18.96	10.05	19.25	9.42	10.18	6.14	6.28	5.52
21	5.21	5.11	5.63	7.98	18.30	10.23	26.65	9.37	10.47	6.30	6.04	6.13
22	5.16	5.10	5.74	8.04	17.69	16.00	29.48	9.32	10.84	6.10	5.85	6.55
23	5.14	5.11	5.91	8.08	17.22	21.04	33.84	9.31	11.19	5.98	5.77	6.43
24	5.11	5.10	5.99	8.28	17.01	22.23	35.47	9.29	11.49	6.08	5.85	6.15
25	5.16	5.11	5.98	8.62	16.96	22.40	35.17	9.29	11.69	6.13	5.81	5.83
26	5.27	5.12	5.92	8.76	17.00	21.66	34.36	9.36	11.75	6.09	5.68	5.57
27	5.29	5.09	5.89	8.84	17.99	20.14	33.47	9.49	11.74	5.93	5.54	5.39
28	5.33	5.18	5.86	8.95	18.30	18.16	32.62	9.49	11.94	6.03	5.43	5.26
29	5.36	5.18	5.80	9.07	---	16.48	31.82	9.39	12.58	6.07	5.34	5.17
30	5.34	5.21	5.80	9.16	---	15.37	31.01	9.31	13.71	5.87	5.28	5.10
31	5.30	---	5.92	9.84	---	14.70	---	9.23	---	5.81	5.29	---
MAX	5.45	6.08	5.99	9.84	20.32	22.40	35.47	30.12	13.71	14.02	9.02	6.95
MIN	4.87	5.09	5.18	5.96	9.56	10.05	10.00	9.23	9.01	5.81	5.28	5.10

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958-59, 1965 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1965 to current year.
WATER TEMPERATURES: May 1980 to current year.

INSTRUMENTATION.--Specific conductance recorder (strip chart) October 1964 to May 22, 1980. Water-quality monitor since May 23, 1980.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 26,800 micromhos Dec. 4, 1965; minimum, 40 micromhos Apr. 11-13, June 12-16, 1975.
WATER TEMPERATURES: Maximum, 33.0°C July 13-17, 1980; minimum, 5.0°C Jan. 14-18 1982.

EXTREMES FOR CURRENT YEAR --
SPECIFIC CONDUCTANCE: Maximum, 5,720 micromhos Nov. 4; minimum, 75 micromhos Apr. 24.
WATER TEMPERATURES: Minimum, 5.0°C Jan. 14 18.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT 13...	1230	2670	7.2	22.5	140	40	5.8	5.3
JAN 25...	1500	720	7.0	12.0	180	15	9.9	1.9
APR 22...	1330	89	5.3	16.5	100	35	6.1	3.0
JUL 13...	1015	232	6.3	28.0	250	35	4.9	1.3

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 13...	K90	7000	85	22	7.4	500	7.2	109	120
JAN 25...	120	300	40	12	2.4	120	5.7	94	110
APR 22...	K700	880	16	4.4	1.2	10	1.7	4	10
JUL 13...	160	470	24	6.8	1.6	37	2.8	38	25

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT 13...	720	.1	13	1480	1450	.49	.81	.32
JAN 25...	73	.1	19	473	398	.27	.93	.15
APR 22...	20	<.1	5.6	83	55	.12	.74	.11
JUL 13...	25	.1	12	161	133	.25	1.3	.20

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT											
13...	<1	<1	1	2	1300	<10	58	<.01	10	18	<.01

DATE	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
13...	5	<.1	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	<.1

DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)
OCT											
13...	<.01	.2	<.01	<.1	.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
13...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
13...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
13...	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.01	<.01	<.01

< Actual value is known to be less than the value shown.

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
SAMPLING DEPTH 10.00(FT.),

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	1430	1330	2560	2360	2040	1840	1710	1610	1000	549	279	209
2	1410	1310	2380	2180	2040	1940	1810	1610	850	487	208	187
3	1400	1200	2800	2200	1940	1840	2200	1800	609	484	187	183
4	1290	1190	5720	2920	2030	1830	2300	1900	528	366	189	185
5	1280	1000	3830	2730	2130	1930	3690	2090	361	295	203	188
6	1120	817	2750	2550	2420	2120	2780	1880	318	283	223	204
7	1130	1030	3250	2750	2420	2320	2560	1760	317	302	243	229
8	1250	1050	2640	2040	2410	2310	2350	1450	329	314	250	229
9	1170	1070	2040	1840	2310	2410	1540	1340	844	322	285	253
10	1290	1090	2030	1730	3910	2510	1530	1230	696	419	274	241
11	1600	1200	1830	1630	2400	1600	1210	1110	440	386	256	239
12	2120	1620	1720	1620	1700	1500	1300	1100	391	302	284	246
13	2340	2140	1820	1620	1790	1490	1390	1290	294	218	250	245
14	2350	2150	1820	1720	1690	1590	1780	1280	230	215	283	249
15	2170	1770	1810	1710	1780	1680	1760	1360	312	203	278	269
16	1890	1590	1810	1710	2480	1780	1650	1350	556	218	564	282
17	1610	1510	1800	1700	2880	2380	1540	1140	415	196	645	580
18	1620	1520	1800	1700	2570	2270	1330	1030	247	157	755	650
19	1640	1540	1890	1690	2470	2270	1010	913	156	125	830	694
20	1660	1560	1990	1890	2560	2360	893	856	133	126	1080	836
21	1580	1480	1890	1790	2460	2260	850	777	140	133	1060	927
22	1590	1490	1880	1780	2460	2160	758	684	155	138	1020	204
23	1610	1510	1880	1780	2350	2150	724	667	147	132	193	133
24	1730	1530	1870	1770	2150	1750	783	720	139	133	148	134
25	1740	1640	1870	1770	1740	1540	787	695	155	136	153	145
26	2060	1760	1870	1770	1640	1540	785	556	233	157	170	154
27	2180	2080	1860	1760	1730	1530	533	441	502	212	186	169
28	2500	2200	1960	1860	1630	1530	455	395	279	237	192	186
29	2710	2410	1950	1850	1630	1530	439	398	---	---	195	188
30	2830	2730	1950	1850	1720	1520	654	443	---	---	202	196
31	2750	2550	---	---	1820	1620	1190	392	---	---	215	204
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	221	209	135	122	650	617	503	277	---	---	1040	939
2	233	222	143	135	687	653	272	214	---	---	1040	943
3	261	235	154	141	717	693	211	205	---	---	1050	948
4	276	256	175	154	724	716	205	196	---	---	1250	1050
5	285	275	183	174	719	710	195	186	---	---	1360	1160
6	304	286	197	182	712	695	197	186	---	---	1360	1160
7	309	303	212	196	700	674	223	197	---	---	1170	965
8	311	303	231	212	673	624	276	223	---	---	1070	970
9	335	307	212	205	626	585	318	280	---	---	1070	874
10	359	336	213	205	593	565	293	233	---	---	978	878
11	385	358	235	215	585	566	234	225	---	---	983	783
12	415	386	261	239	608	581	258	234	---	---	1090	887
13	417	392	285	265	623	606	278	258	---	---	1490	791
14	397	388	396	288	617	601	299	278	---	---	1400	696
15	391	338	362	333	600	583	321	299	---	---	1000	700
16	344	325	376	339	592	571	352	322	---	---	804	604
17	477	335	373	360	635	591	354	---	---	---	809	609
18	1270	334	380	373	637	617	---	---	---	---	813	713
19	566	367	413	383	637	620	---	---	---	---	817	617
20	352	178	433	420	623	585	---	---	---	---	822	622
21	203	131	437	430	587	534	---	---	---	---	826	626
22	129	105	440	426	647	601	---	---	---	---	1130	730
23	126	78	439	421	634	572	---	---	---	---	935	735
24	87	75	512	448	899	598	---	---	661	621	1040	839
25	89	86	495	459	777	702	---	---	735	683	943	843
26	87	85	567	466	748	639	---	---	755	716	848	748
27	91	86	568	462	630	469	---	---	789	739	952	752
28	97	91	467	459	462	372	---	---	824	768	957	857
29	106	96	507	470	507	429	---	---	881	806	961	861
30	122	106	570	513	753	521	---	---	934	874	965	865
31	---	---	613	575	---	---	---	---	1030	835	---	---

07372200 LITTLE RIVER NEAR ROCHELLE, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	25.5	25.0	17.5	17.0	16.0	15.5	10.5	10.5	13.0	12.5	11.5	11.0
2	25.5	25.0	17.5	17.0	15.5	14.5	11.0	10.5	12.5	12.0	11.0	10.5
3	25.0	24.0	17.0	17.0	14.5	14.0	12.0	11.0	12.0	12.0	11.5	11.0
4	24.0	23.0	17.5	17.0	14.0	13.5	12.0	12.0	12.0	11.5	12.0	11.5
5	24.5	24.0	17.5	17.0	13.5	12.5	12.0	11.5	11.5	11.0	12.5	12.0
6	24.5	24.5	17.5	17.5	12.5	12.5	12.0	11.5	11.0	10.0	12.5	12.5
7	24.5	23.0	17.5	17.0	12.5	12.0	12.0	12.0	10.0	9.5	12.5	12.0
8	23.0	21.5	17.0	16.5	13.0	12.5	12.0	11.0	9.5	9.5	12.5	12.0
9	21.5	21.0	16.5	16.5	13.0	12.5	11.0	10.5	10.0	9.5	12.5	12.0
10	21.0	21.0	16.5	16.5	12.5	12.0	10.5	9.0	9.5	9.5	12.5	12.0
11	21.5	21.0	16.5	16.0	12.0	12.0	9.0	8.0	9.0	9.0	13.0	12.5
12	21.5	21.5	16.0	15.5	12.0	11.5	8.0	6.5	9.0	9.0	14.0	13.0
13	22.0	21.5	15.5	15.0	11.5	11.0	6.5	5.5	9.0	8.5	15.0	14.0
14	22.5	22.0	15.0	15.0	11.0	11.0	5.5	5.0	9.0	8.5	16.0	15.0
15	22.5	22.5	15.0	14.5	11.0	10.5	5.5	5.0	9.5	8.5	17.0	16.0
16	23.0	22.5	15.5	15.0	10.5	10.0	5.5	5.0	11.5	9.5	18.0	17.0
17	23.5	23.0	15.5	15.0	10.5	10.5	5.5	5.0	12.5	12.0	19.0	18.0
18	23.5	22.5	15.5	15.5	10.5	10.0	5.5	5.0	13.0	12.5	20.0	19.0
19	22.5	21.5	16.0	15.5	10.0	9.0	7.0	5.5	13.5	13.0	21.0	20.0
20	21.5	20.5	16.0	15.0	9.0	8.5	8.0	7.0	13.5	13.0	21.5	21.0
21	20.5	20.0	15.0	14.0	8.5	8.0	9.0	8.0	13.5	13.0	21.5	20.5
22	20.0	19.5	14.0	13.5	10.0	8.5	10.0	9.0	13.5	13.5	20.5	18.0
23	20.0	19.0	14.0	13.5	10.5	10.0	11.0	10.5	14.0	13.5	18.0	17.0
24	19.0	18.0	14.0	14.0	10.5	10.0	11.0	10.5	14.5	14.0	17.0	16.5
25	18.0	17.5	14.0	14.0	10.0	10.0	10.5	10.5	14.5	14.5	16.5	16.0
26	17.5	17.5	15.5	14.0	10.0	9.5	10.5	10.5	14.5	14.0	16.5	16.5
27	17.0	16.5	16.0	15.5	9.5	9.5	10.5	10.5	13.5	12.5	16.5	16.0
28	17.0	16.5	16.0	16.0	10.5	9.5	11.0	10.5	12.0	11.5	16.0	15.5
29	17.0	16.5	16.0	16.0	10.5	10.0	12.0	11.0	---	---	15.5	15.0
30	17.0	16.5	16.0	15.5	10.5	10.0	13.0	12.0	---	---	15.0	15.0
31	17.0	17.0	---	---	10.5	10.0	13.0	13.0	---	---	16.0	15.0
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	16.5	16.0	19.0	18.5	30.0	29.0	26.5	25.5	---	---	31.5	30.0
2	17.5	16.5	19.5	19.0	29.5	28.5	27.0	26.5	---	---	31.0	30.0
3	18.5	17.5	20.0	19.5	29.5	28.5	28.0	27.0	---	---	31.0	30.0
4	18.5	18.5	20.5	19.5	29.5	29.0	28.5	27.5	---	---	30.0	29.5
5	19.0	18.5	21.0	20.0	29.5	29.0	29.0	28.0	---	---	29.5	28.5
6	19.0	18.5	21.0	20.5	29.0	29.0	29.5	28.5	---	---	28.5	28.0
7	18.5	18.0	21.5	21.0	29.5	29.0	29.5	29.0	---	---	29.0	28.0
8	18.5	18.0	21.5	20.5	29.5	29.0	29.5	29.0	---	---	29.0	28.0
9	18.5	18.0	21.5	20.5	29.5	29.0	29.5	29.0	---	---	28.5	27.5
10	18.0	17.0	22.0	21.0	30.0	29.5	30.0	29.0	---	---	28.5	28.0
11	17.0	16.5	22.5	21.5	29.5	29.0	30.5	29.5	---	---	28.0	27.0
12	17.0	16.5	23.0	22.0	29.5	29.0	30.5	29.5	---	---	27.5	26.5
13	17.5	17.0	23.0	22.0	29.5	29.0	30.5	29.0	---	---	28.0	27.0
14	18.0	17.5	23.5	22.0	29.0	29.0	31.0	29.0	---	---	28.5	27.5
15	19.0	18.0	24.5	22.5	29.5	29.0	30.5	29.5	---	---	28.5	28.0
16	20.0	19.0	25.5	23.5	29.5	28.5	30.0	29.0	---	---	29.0	28.5
17	20.0	20.0	25.5	24.0	28.5	28.0	29.5	---	---	---	29.5	28.5
18	20.0	19.5	26.0	24.5	28.0	28.0	---	---	---	---	29.5	28.5
19	20.0	19.5	26.0	25.0	28.0	28.0	---	---	---	---	29.5	29.0
20	20.0	19.0	26.5	26.0	28.0	28.0	---	---	---	---	29.0	28.0
21	19.0	18.5	27.0	26.0	28.5	28.0	---	---	---	---	28.0	26.5
22	18.5	17.0	27.5	26.5	28.5	28.0	---	---	---	---	26.5	24.5
23	17.0	16.5	27.5	27.0	28.5	27.5	---	---	31.0	---	25.0	23.5
24	16.5	16.0	27.5	26.5	28.5	27.5	---	---	31.5	30.0	24.0	23.0
25	16.0	16.0	28.0	27.0	28.5	28.0	---	---	31.5	30.5	24.0	23.5
26	16.5	16.0	28.0	27.0	28.5	28.0	---	---	31.5	30.5	24.0	23.0
27	17.0	16.0	28.5	27.0	29.0	28.0	---	---	31.5	30.5	23.5	23.0
28	17.5	17.0	29.0	27.5	28.5	28.0	---	---	31.5	30.5	24.0	23.0
29	18.0	17.5	29.5	28.0	27.5	26.0	---	---	31.5	30.5	24.0	23.0
30	19.0	18.0	29.5	28.5	26.0	25.5	---	---	31.0	30.5	24.5	23.5
31	---	---	30.0	29.0	---	---	---	---	31.0	30.0	---	---

07373000 BIG CREEK AT POLLOCK, LA
(Hydrologic bench-mark station)

LOCATION.--Lat 31°32'10", long 92°24'30", in SW1/4SE1/4 sec.31, T.7 N., R.1 E., Grant Parish, Hydrologic Unit 08040304, near right bank on downstream side of bridge on U.S. Highway 165, 0.5 mi (0.8 km) upstream from Sugar Branch, 0.8 mi (1.3 km) upstream from water-supply diversion dam, 0.8 mi (1.3 km) north of Pollock, and 1.3 mi (2.1 km) downstream from Dyson Creek.

DRAINAGE AREA.--51 mi^2 (132 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1942 to current year.

REVISED RECORDS.--WDR LA 75-1: 1958(M), 1966(M).

GAGE.--Duplex water-stage recorder (rain gage and water stage combination), concrete control since July 16, 1964. datum of gage is 76.69 ft (23.375 m) National Geodetic Vertical Datum of 1929. Prior to Feb. 25, 1942, nonrecording gage, and Feb. 25, 1942 to June 21, 1955, water-stage recorder at site 0.3 mi (0.5 km) downstream at same datum; June 21, 1955 to May 18, 1964, water-stage recorder at present site and datum.

REMARKS.--Water-discharge records good. Supplementary recording rain gage 3.8 mi (6.1 km) northwest of station since June 26, 1964. Records of dissolved oxygen and water temperatures for water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--40 years, 59.5 ft^3/s (1.685 m^3/s), 15.84 in/yr) (402 mm/yr), 43,110 acre-ft/yr (53.2 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 23,500 ft^3/s (666 m^3/s) Apr. 29, 1953, gage height, 18.03 ft (5.496 m), 16.90 ft (5.151 M), site then in use; minimum, 3.7 ft^3/s (0.11 m^3/s) Sept. 29, 1956, gage height, 1.08 ft (0.329 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 492 ft^3/s (13.9 m^3/s) Apr. 21, gage height, 6.27 ft (1.911 m), no peaks above base of 650 ft^3/s (18 m^3/s); minimum, 8.1 ft^3/s (0.23 m^3/s) Sept. 10, gage height, 2.64 ft (0.805 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	17	29	25	45	32	56	27	12	28	14	9.6
2	11	37	21	20	35	30	38	26	12	20	18	9.4
3	11	25	18	22	27	28	46	24	12	15	13	9.4
4	11	19	17	34	24	26	36	23	12	13	12	9.6
5	11	17	16	25	22	25	28	22	11	12	11	8.9
6	12	15	16	21	24	28	25	20	11	11	12	8.8
7	32	14	17	20	27	30	23	20	11	11	19	8.8
8	22	15	16	21	24	26	23	20	11	11	18	8.6
9	20	17	16	20	90	24	22	18	11	11	23	8.5
10	19	16	15	19	49	23	22	18	11	11	16	8.3
11	16	17	15	18	32	24	22	17	10	10	16	14
12	15	15	15	22	30	23	21	16	10	11	17	148
13	14	15	17	38	26	23	21	16	11	13	24	31
14	14	15	29	30	25	23	20	20	11	12	15	18
15	14	15	21	28	36	23	20	23	11	13	14	16
16	14	14	18	40	375	22	19	18	13	15	48	16
17	14	14	17	29	113	22	82	17	17	30	32	15
18	14	14	16	24	50	22	52	17	15	16	19	15
19	13	14	16	23	40	20	32	16	12	13	14	14
20	13	14	17	22	33	20	151	16	11	11	12	22
21	13	15	25	22	31	20	429	14	13	14	12	29
22	13	15	21	21	28	36	148	14	28	14	11	17
23	16	15	17	22	26	28	68	14	18	11	11	14
24	16	15	17	24	25	31	51	14	14	11	11	13
25	19	15	20	20	24	31	79	14	12	11	10	12
26	25	17	19	19	39	25	58	14	12	12	9.8	12
27	21	39	18	18	74	24	42	14	15	13	10	11
28	17	32	18	18	41	27	35	14	18	11	9.8	11
29	16	21	18	18	---	25	32	14	43	12	9.6	11
30	15	22	17	20	---	27	30	13	22	11	9.8	11
31	15	---	24	80	---	219	---	12	---	12	10	---
TOTAL	487	547	576	783	1415	987	1731	545	430	419	481.0	539.9
MEAN	15.7	18.2	18.6	25.3	50.5	31.8	57.7	17.6	14.3	13.5	15.5	18.0
MAX	32	39	29	80	375	219	429	27	43	30	48	148
MIN	11	14	15	18	22	20	19	12	10	10	9.6	8.3
CFSM	.31	.36	.37	.50	.99	.62	1.13	.35	.28	.27	.30	.35
IN.	.36	.40	.42	.57	1.03	.72	1.26	.40	.31	.31	.35	.39
AC-FT	966	1080	1140	1550	2810	1960	3430	1080	853	831	954	1070
(†)	2.77	2.28	1.72	1.78	1.02	1.06	1.91	1.45	3.78	2.15	7.92	4.37
(‡)	3.36	3.27	1.69	3.15	4.41	3.48	4.52	.55	4.47	2.54	4.76	4.91

CAL YR 1981 TOTAL 12310.0 MEAN 33.7 MAX 1050 MIN 11 CFSM .66 IN 8.98 AC-FT 24420
WTR YR 1982 TOTAL 8940.9 MEAN 24.5 MAX 429 MIN 8.3 CFSM .48 IN 6.52 AC-FT 17730

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†Precipitation, in inches, during month at rain gage at station. Total for calendar year 1981, 36.62 inches; total for water year 1982, 32.81 inches.

‡Precipitation, in inches, during month at rain gage upstream. Total for calendar year 1981, 34.42 inches; total for water year 1982, 41.11 inches.

07373000 BIG CREEK AT POLLOCK, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.78	2.93	3.15	3.09	---	3.20	3.42	3.12	2.82	3.14	2.87	2.72
2	2.78	3.25	3.05	3.01	---	3.16	3.26	3.11	2.82	3.01	2.92	2.71
3	2.77	3.10	2.97	3.03	3.12	3.13	3.34	3.07	2.81	2.89	2.85	2.71
4	2.77	2.98	2.94	3.22	3.08	3.11	3.24	3.05	2.80	2.85	2.80	2.70
5	2.78	2.93	2.92	---	3.04	3.10	3.14	3.03	2.79	2.81	2.76	2.69
6	2.82	2.90	2.91	---	3.08	3.14	3.09	3.00	2.79	2.78	2.80	2.68
7	3.19	2.88	2.93	3.00	3.12	3.17	3.05	3.00	2.77	2.77	2.98	2.68
8	3.03	2.89	2.92	3.02	3.08	3.11	3.05	3.00	2.77	2.77	2.96	2.67
9	3.00	2.94	2.91	3.00	3.64	3.08	3.04	2.97	2.76	2.77	3.02	2.66
10	2.99	2.96	---	2.98	3.36	3.06	3.04	2.95	2.76	2.76	2.91	2.65
11	2.92	2.93	---	2.95	3.20	3.07	3.04	2.94	2.75	2.75	2.92	2.87
12	2.89	2.90	---	3.03	3.16	3.06	3.02	2.92	2.75	2.76	2.94	3.90
13	2.88	2.89	---	3.26	3.11	3.05	3.02	2.92	2.79	2.84	3.08	3.18
14	2.86	2.89	---	3.17	3.09	3.05	3.01	3.00	2.77	2.81	2.90	2.96
15	2.87	2.89	---	3.14	3.19	3.05	3.00	3.05	2.76	2.84	2.86	2.91
16	2.86	2.88	---	3.28	5.39	3.04	2.98	2.97	2.84	2.89	3.11	2.91
17	2.86	2.87	---	3.15	3.75	3.04	3.53	2.93	2.94	3.17	3.20	2.90
18	2.86	2.86	---	3.08	3.37	3.03	3.39	2.93	2.89	2.91	2.98	2.89
19	2.84	2.87	---	3.05	3.28	3.01	3.19	2.91	2.81	2.83	2.88	2.87
20	2.84	2.88	---	3.04	3.21	3.00	3.87	2.91	2.79	2.79	2.82	3.03
21	2.83	2.90	---	3.03	3.18	3.01	5.81	2.88	2.85	2.86	2.81	3.15
22	2.84	2.90	---	3.02	3.14	3.24	3.90	2.88	3.14	2.87	2.79	2.94
23	2.91	2.89	---	3.03	3.11	3.14	3.51	2.87	2.97	2.79	2.77	2.86
24	2.91	---	---	3.07	3.09	3.18	3.38	2.87	2.87	2.79	2.76	2.83
25	2.98	---	---	3.01	3.06	3.18	3.58	2.87	2.81	2.77	2.74	2.82
26	3.10	---	---	2.98	3.23	3.10	3.44	2.88	2.82	2.81	2.73	2.80
27	3.02	---	---	2.96	3.55	3.07	3.30	2.87	2.89	2.83	2.74	2.79
28	2.94	3.20	2.96	---	3.29	3.12	3.23	2.86	2.96	2.79	2.73	2.79
29	2.91	3.02	2.95	---	---	3.09	3.19	2.86	3.31	2.81	2.72	2.78
30	2.90	3.04	2.94	---	---	3.10	3.17	2.83	3.03	2.79	2.73	2.77
31	2.89	---	3.07	---	---	4.37	---	2.82	---	2.80	2.74	---
MAX	3.19	---	---	---	5.39	4.37	5.81	3.12	3.31	3.17	3.20	3.90
MIN	2.77	2.86	---	2.95	3.04	3.00	2.98	2.82	2.75	2.75	2.72	2.65

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1943, 1959, 1965 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1964 to September 1973, October 1974 to September 1976.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 31.0°C July 30 to Aug. 1, 1976; minimum, 2.0°C Jan. 15, 1969, Jan. 10, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 13...	1045	14	44	5.8	21.0	30	5.0	7.9	2.6	260	4900
NOV 17...	1130	14	41	5.9	14.0	40	15	9.3	--	250	850
DEC 07...	1215	17	41	5.7	12.5	20	10	10.4	1.6	140	300
JAN 24...	1345	24	41	5.6	12.5	40	5.0	10.9	1.2	K58	K70
FEB 10...	1800	41	37	6.4	8.0	50	25	10.0	2.1	2800	6200
MAR 18...	1445	22	48	5.9	23.5	20	5.0	8.4	5.0	K70	3800
APR 22...	1430	32	35	5.2	16.0	60	20	8.7	1.8	760	1100
MAY 13...	1800	16	44	6.5	21.5	40	3.0	8.3	2.2	110	K3600
JUN 09...	1430	11	45	6.0	26.0	40	6.0	7.4	1.3	120	370
JUL 13...	0900	13	38	6.2	24.0	40	7.0	7.1	1.3	K320	2800
AUG 02...	1700	15	39	5.7	27.0	50	10	6.1	1.1	660	1000
SEP 09...	1500	85	41	5.9	24.0	30	10	7.7	3.1	190	5500

DATE	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT 13...	9	2.1	.8	5.4	1.8	11	2.1	4.5	<.1	23	52
NOV 17...	8	1.7	.9	4.9	1.5	8	2.6	6.1	<.1	23	53
DEC 07...	8	1.9	.8	4.5	1.4	9	2.1	4.7	<.1	17	51
JAN 24...	8	1.9	.8	4.5	1.3	10	2.0	5.0	<.1	18	47
FEB 10...	9	2.3	.8	3.6	1.7	7	5.0	4.2	<.1	13	44
MAR 18...	10	2.5	1.0	4.9	1.4	14	3.0	4.6	<.1	18	50
APR 22...	9	2.3	.8	2.5	1.1	3	6.0	3.4	<.1	12	44
MAY 13...	16	2.4	<2.4	5.5	1.2	11	4.0	6.1	<.1	20	50
JUN 09...	10	2.6	1.0	5.3	1.3	13	2.0	4.3	<.1	22	50
JUL 13...	9	2.1	.8	4.7	1.2	11	3.0	4.1	.1	21	44
AUG 02...	9	2.4	.8	5.0	1.2	11	3.0	4.7	.2	19	44
SEP 09...	7	1.5	.7	5.2	1.4	10	<1.0	5.5	<.1	24	48

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CYANIDE TOTAL (MG/L AS CN)
OCT										
13...	47	--	.31	.09	.10	--	.52	.04	.05	--
NOV										
17...	46	--	.08	--	.08	--	.60	.04	.01	<.01
DEC										
07...	38	.08	.07	.04	.02	--	.41	--	.04	--
JAN										
24...	40	--	.07	--	.04	.45	.42	.03	.03	--
FEB										
10...	35	.19	.15	.08	.07	.56	--	.08	.02	--
MAR										
18...	43	--	.03	--	.08	.35	.30	.06	.04	--
APR										
22...	30	.12	.12	--	.10	--	.50	.05	.03	<.01
MAY										
13...	48	<.10	.11	.70	.70	.30	.40	.40	<.01	--
JUN										
09...	46	<.10	<.10	--	.29	--	.50	.04	.02	--
JUL										
13...	44	<.10	.20	.04	.05	--	.80	.05	.04	--
AUG										
02...	43	.13	.12	.07	.05	.70	.40	--	.07	--
SEP										
09...	--	<.10	<.10	--	.07	.90	.30	.05	.01	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)
NOV										
17...	1	1	<100	19	<1	<1	<1	20	<1	4
APR										
22...	2	1	100	66	<1	<1	<1	20	<1	<3

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
NOV										
17...	19	<10	700	160	3	<10	<4	30	18	<.1
APR										
22...	4	<10	1100	450	8	<10	<4	250	190	<.1

DATE	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
NOV										
17...	<.1	<10	<1	<1	<1	<1	16	6.0	40	6
APR										
22...	<.1	<10	<1	<1	<1	<1	21	6.0	20	20

< Actual value is known to be less than the value shown.

07373000 BIG CREEK AT POLLOCK, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L)	URANIUM DISSOLVED, EXTRACTION (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
17...	<.7	1.2	.8	1.8	<.8	1.7	<.8	.05	.06	<1

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV									
17...	<1	<.1	<1	<.1	<.1	<.1	<.01	<.1	<.1

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
NOV									
17...	<.1	<.01	<.1	<.1	<.1	<.01	<.1	<.01	<.01

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV									
17...	<.1	<.01	<.1	<1	<.01	<.01	<.01	<.01	<.01

DATE	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
13...	29	1.1	85
NOV			
17...	64	2.4	38
30...	22	1.1	39
DEC			
07...	24	1.1	88
JAN			
21...	22	1.3	28
24...	26	1.7	66
FEB			
10...	66	7.3	76
MAR			
09...	30	1.8	33
18...	16	.95	78
APR			
15...	38	2.0	44
22...	71	6.1	88
MAY			
13...	48	2.1	72
28...	30	1.1	62
JUN			
09...	66	2.0	70
JUL			
09...	36	1.0	51
13...	30	1.1	94
AUG			
02...	103	4.2	57
20...	35	1.1	86
SEP			
09...	26	6.0	100

< Actual value is known to be less than the value shown.

07373250 HEMPHILL CREEK AT NEBO, LA

LOCATION.--Lat 31°35'04", long 92°07'55", in NW1/4NE1/4 in lot 39, T.7 N., R.3 E., La Salle Parish, Hydrologic Unit 08040304, at left bank on downstream side of bridge on State Highway 460, 0.6 mi (1.0 km) east of Nebo, 1.4 mi (2.3 km) upstream from Mason Creek, and 2.2 mi (3.5 km) downstream from Mill Creek.

DRAINAGE AREA.--35.3 mi^2 (91.4 km^2).

PERIOD OF RECORD.--Occasional low-flow and miscellaneous measurements, water years 1956-63, 1966-67, 1970. August 1978 to current year.

GAGE.--Water-stage recorder. Datum of gage is 46.58 ft (14.198 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1982 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,000 ft^3/s (170 m^3/s) Feb. 24, 1979, gage height, 10.99 ft (3.353 m); minimum, 10 ft^3/s (0.28 m^3/s) part of each day June 7, 9, 10, 11, 14, 15, 16, 19, 20, 21, 1982, minimum height, 2.38 ft (0.725 m) Sept. 4, 5, 8, 9, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,160 ft^3/s (61.2 m^3/s) Feb. 16, gage height, 8.09 ft (2.466 m), from floodmark; minimum, 10 ft^3/s (0.28 m^3/s) part of each day June 7, 9, 10, 11, 14, 15, 16, 19, 20, 21, minimum gage height, 2.38 ft (0.725 m) Sept. 4, 5, 8, 9.

REVISIONS.--The maximum discharge for some water years have been revised as shown in the following table. They supersede figures published in the report for 1981.

Water Year	Date	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
1979	Feb. 24, 1979	5,980	169	10.99	3.350
1980	Mar. 29, 1980	3,300	93.5	9.19	2.801
1981	Mar. 29, 1981	1,790	50.7	7.63	2.326

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	17	20	20	80	30	20	23	12	15	28	13
2	13	37	16	19	30	25	19	28	12	16	35	13
3	13	24	16	19	23	22	30	21	12	14	20	12
4	13	20	16	20	21	21	20	20	12	13	16	12
5	13	18	16	19	20	20	19	19	12	13	15	12
6	75	17	16	18	19	27	18	18	12	12	14	12
7	54	17	16	18	19	25	17	18	11	12	14	12
8	22	17	16	18	26	22	17	18	11	13	30	12
9	18	17	16	18	100	21	17	17	11	17	17	12
10	18	17	16	18	40	20	17	16	11	17	25	12
11	16	17	16	17	28	20	18	16	11	12	16	17
12	18	17	16	23	25	20	17	16	11	12	21	47
13	17	17	16	28	23	20	16	16	11	13	16	15
14	16	17	38	21	22	19	16	18	11	46	15	14
15	15	17	20	24	60	19	16	16	11	30	14	13
16	15	17	18	27	617	18	15	17	13	17	14	13
17	15	16	19	21	61	18	64	17	12	15	50	13
18	15	16	18	20	46	18	24	17	11	15	23	13
19	15	16	18	19	36	18	18	17	11	14	17	12
20	15	16	18	19	31	18	267	16	11	14	15	15
21	15	16	21	19	23	20	220	15	28	15	15	13
22	15	16	20	19	26	19	57	14	17	14	14	12
23	19	16	19	25	25	18	35	14	13	14	14	13
24	16	16	19	20	24	23	34	14	12	13	25	12
25	21	16	18	19	23	20	46	15	11	15	18	12
26	19	16	18	19	30	19	31	13	50	19	16	12
27	16	19	18	18	90	18	25	13	20	14	14	12
28	16	16	18	18	40	18	24	14	25	14	13	12
29	16	17	18	19	---	18	23	14	18	14	16	12
30	16	18	18	19	---	20	22	13	16	31	15	12
31	16	---	29	24	---	32	---	13	---	29	13	---
TOTAL	594	533	577	625	1613	646	1182	516	439	523	588	416
MEAN	19.2	17.8	18.6	20.2	57.6	20.8	39.4	16.6	14.6	16.9	19.0	13.9
MAX	75	37	38	28	617	32	267	28	50	46	50	47
MIN	13	16	16	17	19	18	15	13	11	12	13	12
CFSM	.54	.50	.53	.57	1.63	.59	1.12	.47	.41	.48	.54	.39
IN.	.63	.56	.61	.66	1.70	.68	1.25	.54	.46	.55	.62	.44
AC-FT	1180	1060	1140	1240	3200	1280	2340	1020	871	1040	1170	825

CAL YR 1981 TOTAL 9825 MEAN 26.9 MAX 489 MIN 13 CFSM .76 IN 10.35 AC-FT 19490
WTR YR 1982 TOTAL 8252 MEAN 22.6 MAX 617 MIN 11 CFSM .64 IN 8.70 AC-FT 16370

07373250 HEMPHILL CREEK AT NEBO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.47	2.57	2.64	2.59	---	---	2.76	2.75	2.50	---	2.72	---
2	2.47	2.91	2.55	2.57	---	---	2.74	2.83	2.49	---	---	---
3	2.47	2.71	2.55	2.58	---	---	2.89	2.70	2.49	---	---	2.41
4	2.47	2.62	2.54	2.58	---	---	2.73	2.67	2.49	---	---	2.40
5	2.48	2.58	2.54	2.57	---	2.79	2.70	2.65	2.48	---	---	2.39
6	2.89	2.56	2.54	2.56	---	2.90	2.67	2.64	2.48	---	---	2.39
7	3.00	2.56	2.54	2.55	---	2.87	2.66	2.65	2.47	2.45	---	2.40
8	2.66	2.56	2.54	2.55	---	2.82	2.66	2.65	2.47	2.46	---	2.40
9	2.60	2.57	2.54	2.55	---	2.80	2.65	2.61	2.47	2.53	---	2.39
10	2.58	2.56	2.54	2.54	---	2.79	2.67	2.60	2.46	2.56	---	2.40
11	2.56	2.57	2.54	2.54	---	2.79	2.69	2.60	2.46	2.45	---	2.51
12	2.59	2.57	2.54	2.64	---	2.78	2.66	2.60	2.47	2.45	---	2.93
13	2.57	2.57	2.55	2.73	---	2.77	2.64	2.60	2.48	2.46	---	2.48
14	2.53	2.57	2.89	2.62	---	2.76	2.63	2.63	2.46	2.82	---	2.45
15	2.53	2.57	2.62	2.67	---	2.76	2.62	2.60	2.46	2.73	---	2.44
16	2.53	2.56	2.57	2.71	5.17	2.75	3.62	2.62	2.53	2.53	---	2.44
17	2.52	2.56	2.59	2.61	3.32	2.75	3.21	2.61	2.50	2.49	---	2.43
18	2.53	2.56	2.57	2.59	---	2.74	2.79	2.61	2.47	2.47	---	2.42
19	2.52	2.54	2.56	2.58	---	2.74	2.68	2.61	2.47	2.46	---	2.41
20	2.52	2.54	2.57	2.57	---	2.73	4.13	2.59	2.46	2.46	2.48	2.47
21	2.52	2.54	2.61	2.58	---	2.77	4.18	2.56	2.74	2.49	2.48	2.44
22	2.53	2.54	2.59	2.58	---	2.76	3.18	2.55	2.61	2.46	---	2.41
23	2.62	2.55	2.58	2.69	---	2.75	2.94	2.54	2.50	2.45	2.46	2.42
24	2.54	2.55	2.56	2.59	---	2.84	2.91	2.54	---	2.44	---	2.42
25	2.65	2.55	2.56	2.58	---	2.79	3.07	2.58	---	2.47	---	2.42
26	2.60	2.54	2.56	2.56	---	2.76	2.88	2.53	---	2.56	---	2.41
27	2.55	2.60	2.56	2.56	---	2.75	2.78	2.52	---	2.46	---	2.41
28	2.55	2.55	2.55	---	---	2.75	2.75	2.55	---	2.45	---	2.41
29	2.54	2.56	2.54	---	---	2.73	2.73	2.55	---	2.45	---	2.40
30	2.54	2.58	2.54	---	---	2.75	2.71	2.52	---	2.66	---	2.40
31	2.54	---	2.74	---	---	2.93	---	2.51	---	2.72	---	---
MAX	3.00	2.91	2.89	2.73	5.17	2.93	4.18	2.83	---	2.82	---	2.93
MIN	2.47	2.54	2.54	2.54	---	2.73	2.62	2.51	2.46	2.44	---	2.39

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA

LOCATION.--Lat 31°42'23", long 91°27'42", lot 46, T.8 N., R. 10 E., Concordia Parish, Hydrologic Unit 08040306, near left bank on upstream side of bridge on State Highway 568, 8.0 mi (12.9 km) southwest of Waterproof.

DRAINAGE AREA.--14.8 mi^2 (38.3 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1967 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Since Aug. 25, 1981, a nonrecording supplemental gage at private fishing pier 700 ft (213 m) upstream at datum 36.00 ft (10.973 m) lower and used whenever lake elevation is too low to enter Buckner Bayou. Prior to May 19, 1981, water-stage recorder at site 8.5 mi (13.7 km) southwest of Waterproof at same datum and prior to Oct. 1, 1976, at datum 50.00 ft (15.240 m) higher.

REMARKS.--Lake is formed from an oxbow lake by four control structures; two are on Buckner Bayou. Buckner Bayou floodgate consists of two 4.0-ft (1.22-m) pipes (invert elevations, 47.9 ft or 14.60 m) with stoplogs which raise elevation to 53.0 ft (16.15 m). Structure built about 1948. Adjacent to the floodgate is Buckner Bayou weir, which was built about 1975. The weir has a 30-ft (9.1-m) length with crest elevation of 53.0 ft (16.15 m).

Lake St. John Control Structure is on lateral canal 2-A near southern end of Lake St. John on west side of lake. This structure consists of two 8.5-by 3.5-ft (2.59- by 1.07-m) timber gates with invert of gates at elevation 53.0 ft (16.15 m) and was built about 1967.

Little Tensas Bayou Control Structure is located at northeast of end of Lake St. John and consists of a 5.0-ft (1.52-m) pipe with flap valve. Invert of pipe is 50.3 ft (15.33 m) elevation.

Lake is used for conservation and flood control.

Elevations for Oct. 14 to Feb. 16, May 25 to June 30, July 22-31, Aug. 27 to Sept. 30 are from once-daily staff gage readings.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 58.17 ft (17.730 m), present datum, May 13, 1973; minimum observed, 50.38 ft (15.356 m), present datum, Dec. 13, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 51.91 ft (15.822 m) Apr. 22; minimum observed, 50.38 ft (15.356 m) Dec. 13.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	50.65	50.55	50.60	50.70	51.52	51.72	51.84	51.48	51.43	51.23	51.02
2	---	50.65	50.54	50.66	50.69	51.51	51.71	51.83	51.46	51.41	51.25	51.00
3	---	50.66	50.53	50.67	50.68	51.51	51.71	51.82	51.43	51.39	51.27	50.98
4	---	50.70	50.51	50.68	50.68	51.50	51.69	51.81	51.40	51.38	51.26	50.96
5	---	50.68	50.50	50.68	50.67	51.52	51.68	51.79	51.38	51.35	51.24	50.93
6	---	50.68	50.48	50.67	50.68	51.58	51.66	51.78	51.36	51.34	51.23	50.90
7	---	50.67	50.46	50.66	50.68	51.61	51.64	51.77	51.34	51.32	51.35	50.88
8	---	50.65	50.44	50.65	50.68	51.61	51.62	51.75	51.32	51.29	51.39	50.85
9	---	50.64	50.42	50.64	50.69	51.60	51.60	51.73	51.30	51.29	51.38	50.83
10	---	50.62	50.41	50.63	50.70	51.60	51.58	51.71	51.28	51.26	51.36	50.81
11	---	50.60	50.40	50.63	50.71	51.60	51.57	51.70	51.30	51.23	51.34	50.78
12	---	50.59	50.39	50.64	50.71	51.59	51.56	51.68	51.28	51.25	51.33	50.90
13	---	50.58	50.38	50.65	50.70	51.60	51.53	51.67	51.26	51.28	51.31	50.90
14	50.84	50.56	50.48	50.67	50.70	51.60	51.52	51.64	51.24	51.26	51.30	50.89
15	50.84	50.55	50.50	50.68	50.70	51.60	51.50	51.64	51.32	51.25	51.29	50.88
16	50.82	50.54	50.49	50.67	51.18	51.60	51.49	51.64	51.38	51.24	51.28	50.87
17	50.81	50.53	50.49	50.67	51.43	51.60	51.69	51.62	51.36	51.24	51.27	50.86
18	50.80	50.52	50.49	50.66	51.50	51.60	51.69	51.61	51.34	51.21	51.26	50.84
19	50.79	50.51	50.48	50.66	51.51	51.58	51.67	51.59	51.32	51.19	51.24	50.82
20	50.76	50.50	50.48	50.66	51.50	51.58	51.70	51.58	51.31	51.17	51.22	50.83
21	50.72	50.49	50.48	50.65	51.50	51.57	51.88	51.56	51.32	51.16	51.20	50.82
22	50.70	50.48	50.47	50.65	51.49	51.58	51.90	51.54	51.38	51.14	51.18	50.80
23	50.68	50.46	50.47	50.74	51.49	51.57	51.87	51.52	51.36	51.12	51.19	50.78
24	50.68	50.45	50.46	50.75	51.48	51.60	51.85	51.59	51.34	51.10	51.17	50.76
25	50.69	50.44	50.48	50.75	51.50	51.60	51.86	51.62	51.32	51.08	51.14	50.74
26	50.70	50.43	50.48	50.74	51.47	51.57	51.86	51.61	51.30	51.06	51.14	50.72
27	50.70	50.50	50.47	50.73	51.53	51.55	51.85	51.60	51.28	51.04	51.12	50.70
28	50.69	50.48	50.46	50.72	51.52	51.55	51.84	51.58	51.35	51.04	51.10	50.69
29	50.68	50.48	50.45	50.71	---	51.53	51.83	51.56	51.34	51.05	51.08	50.68
30	50.67	50.46	50.45	50.70	---	51.52	51.84	51.53	51.45	51.04	51.06	50.67
31	50.66	---	50.56	50.72	---	51.68	---	51.51	---	51.08	51.04	---
MAX	---	50.70	50.56	50.75	51.53	51.68	51.90	51.84	51.48	51.43	51.39	51.02
MIN	50.66	50.43	50.38	50.60	50.67	51.50	51.49	51.51	51.24	51.04	51.04	50.67

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA--Continued

WATER-QUALITY RECORDS

LOCATION.--Samples collected 1.5 mi (2.4 km) southeast of gage.

PERIOD OF RECORD.--Water years 1963, 1967, 1977 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT								
29...	1120	144	8.1	19.5	10	7.0	10.1	3.5
JAN								
28...	1145	138	6.9	14.0	5	8.0	10.6	2.2
APR								
19...	1230	127	7.3	22.0	5	3.0	9.7	1.5
JUL								
15...	1050	165	8.6	31.0	40	2.0	9.5	4.8

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT									
29...	<1	34	55	15	4.3	7.7	4.4	58	1.0
JAN									
28...	K2	K76	43	12	3.2	6.6	3.9	46	2.3
APR									
19...	K2	410	48	13	3.7	6.5	3.6	44	4.0
JUL									
15...	K2	K20	57	16	4.1	7.2	3.7	56	3.0

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT								
29...	9.7	<.1	7.4	89	85	.05	1.20	.06
JAN								
28...	9.9	<.1	3.6	79	70	.24	.64	.06
APR								
19...	9.9	<.1	2.5	75	69	<.10	.54	.05
JUL								
15...	9.2	.1	6.4	99	84	<.10	1.4	.10

DATE	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
OCT											
29...	<1	<1	5	6	4500	<10	210	<.01	22	6.8	<.01

DATE	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT											
29...	<1	<.1	<1	<.1	<1	<.01	<.1	<.1	12	<.01	13

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)
OCT											
29...	<.01	65	<.01	2.3	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
29...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
29...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
29...	<.01	<.1	<.1	<1	<.01	<.1	.01	<.01	<.01	<.01

DATE	PHYTOPLANKTON, TOTAL (CELLS PER ML)
OCT	
29...	600000
JAN	
28...	63000
APR	
19...	110000
JUL	
15...	730000

<Actual value is known to be less than the value shown.

07373278 LAKE ST. JOHN NEAR WATERPROOF, LA--Continued

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	OCT 29,81	JAN 28,82	APR 19,82	JUL 15,82
TIME	1120	1145	1230	1050
TOTAL CELLS/ML	600000	63000	110000	730000
DIVERSITY: DIVISION	0.3	1.2	1.4	0.4
.CLASS	0.3	1.2	1.4	0.4
..ORDER	1.4	1.8	1.6	1.6
...FAMILY	1.4	2.0	1.7	1.6
....GENUS	1.5	2.5	2.1	1.7

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)								
.BACILLARIOPHYCEAE								
..BACILLARIALES								
...NITZSCHIACEAE								
....NITZSCHIA	*	0	570	1	--	-	*	0
..EUPODISCALES								
...COSCINODISCACEAE								
....CYCLOTELLA	--	-	960	2	6800	6	--	-
....MELOSIRA	--	-	8700	14	21000#	19	--	-
..FRAGILARIALES								
...FRAGILARIACEAE								
....FRAGILARIA	--	-	*	0	--	-	--	-
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...DICTYOSPHAERIACEAE								
....DICTYOSPHAERIUM	9100	2	1400	2	--	-	--	-
...MICRACTINIACEAE								
....MICRACTINIUM	--	-	1700	3	--	-	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	9900	2	2900	5	1300	1	39000	5
....CHODATELLA	--	-	*	0	--	-	--	-
....KIRCHNERIELLA	--	-	1100	2	--	-	*	0
....OOCYSTIS	*	0	770	1	--	-	--	-
....SELENASTRUM	--	-	--	-	870	1	--	-
...SCENEDESMACEAE								
....CRUCIGENIA	--	-	--	-	3500	3	--	-
..ZYGNEMATALES								
...DESMIDIACEAE								
....COSMARIUM	*	0	--	-	--	-	--	-
CHRYSOPHYTA								
.CHRYSOPHYCEAE								
..OCHROMONADALES								
...OCHROMONADACEAE								
....OCHROMONAS	*	0	--	-	3900	4	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
.CRYPTOPHYCEAE								
..CRYPTOMONADALES								
...CRYPTOCHRYSIDACEAE								
....CHROOMONAS	--	-	--	-	1100	1	--	-
...CRYPTOMONADACEAE								
....CRYPTOMONAS	--	-	--	-	*	0	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	20000	3	--	-	5200	5	22000	3
....ANACYSTIS	*	0	3900	6	61000#	56	31000	4
....COCCOCHLORIS	--	-	28000#	44	--	-	--	-
..NOSTOCALES								
...NOSTOCACEAE								
....ANABAENA	3300	1	--	-	--	-	--	-
....ANABAENOPSIS	360000#	60	--	-	--	-	240000#	34
..OSCILLATORIALES								
...OSCILLATORIACEAE								
....OSCILLATORIA	190000#	32	13000#	21	3500	3	380000#	52
....SPIRULINA	--	-	--	-	--	-	*	0
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	--	-	--	-	--	-	*	0
....TRACHELOMONAS	--	-	--	-	*	0	*	0

NOTE: # - DOMINANT ORGANISM, EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED, LESS THAN 1/2%

07373280 LAKE CONCORDIA NEAR FERRIDAY, LA

LOCATION.--LAT 31°37'30", long 91°32'35", in lot 57, T.8 N., R.9 E., Concordia Parish, Hydrologic Unit 08040306, on upstream side of second control structure at Ferriday.

DRAINAGE AREA.--8.91 mi^2 (23.08 km^2).

PERIOD OF RECORD.--Water years 1961, 1967, 1978 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT								
29...	1200	207	8.5	18.5	15	2.0	12.6	3.6
JAN								
28...	1230	256	8.1	14.5	10	7.0	13.7	4.6
APR								
19...	1100	235	8.0	22.0	15	2.0	10.4	4.7
JUL								
15...	1130	237	8.5	32.0	5	2.0	11.7	4.5

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT									
29...	K3	230	98	21	11	9.1	3.4	128	.9
JAN									
28...	K6	310	120	28	11	8.3	4.0	122	1.2
APR									
19...	K8	1200	120	28	11	8.2	3.5	116	3.0
JUL									
15...	K13	K8	88	19	9.9	7.4	3.5	97	2.0

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT								
29...	5.7	.2	6.0	132	134	.03	.89	.06
JAN								
28...	6.2	.2	1.7	144	134	.27	1.30	.06
APR								
19...	6.2	.1	2.8	139	133	<.10	.86	.09
JUL								
15...	6.4	.2	4.5	112	111	<.10	1.5	.10

DATE	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT											
29...	<1	<1	<1	3	1200	<10	230	<.01	7	<.01	<1

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT											
29...	<.1	<1	<.1	<1	<.01	<.1	<.1	8	<.01	1.6	<.01

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07373280 LAKE CONCORDIA NEAR FERRIDAY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
29...	16	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
29...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
29...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PER-THANE TOTAL (UG/L)	PER-THANE IN BOTTOM MATERIL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
29...	<.01	<.1	<.1	<1	<.01	<.1	.15	<.01	<.01	<.01

DATE	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)
OCT	
29...	420000
JAN	
28...	260000
APR	
19...	200000
JUL	
15...	1300000

< Actual value is known to be less than the value shown.

07373280 LAKE CONCORDIA NEAR FERRIDAY, LA--Continued

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	OCT 29,81	JAN 28,82	APR 19,82	JUL 15,82
TIME	1200	1230	1100	1130
TOTAL CELLS/ML	420000	260000	200000	1300000
DIVERSITY: DIVISION	0.2	1.2	1.6	0.3
.CLASS	0.2	1.2	1.6	0.3
..ORDER	1.0	1.7	2.2	1.2
...FAMILY	1.0	1.9	2.5	1.2
....GENUS	1.1	2.4	2.8	1.5

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)								
.BACILLARIOPHYCEAE								
..BACILLARIALES								
...NITZSCHIACEAE								
....NITZSCHIA	*	0	14000	5	6900	4	--	-
..EUPODISCALES								
...COSCINODISCACEAE								
....CYCLOTELLA	--	-	8400	3	52000#	27	--	-
....MELOSIRA	--	-	13000	5	4100	2	--	-
..FRAGILARIALES								
...FRAGILARIACEAE								
....FRAGILARIA	--	-	2100	1	--	-	--	-
....SYNEDRA	--	-	9100	4	--	-	--	-
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHLOROCOCCACEAE								
....POLYEDRIOPSIS	--	-	--	-	1400	1	--	-
....SCHROEDERIA	*	0	--	-	1400	1	--	-
...MICRACTINIACEAE								
....ACANTHOSPHAERA	--	-	--	-	--	-	*	0
....MICRACTINIUM	--	-	4200	2	6900	4	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	9800	2	6300	2	4100	2	29000	2
....CHODATELLA	--	-	2100	1	--	-	--	-
....KIRCHNERIELLA	--	-	5600	2	2800	1	6900	1
....SELENASTRUM	*	0	--	-	5500	3	--	-
....TREUBARIA	--	-	2100	1	--	-	--	-
...PALMELLACEAE								
....SPHAEROCYSTIS	--	-	--	-	--	-	22000	2
...SCENEDESMACEAE								
....ACTINASTRUM	--	-	5600	2	--	-	--	-
....SCENEDESMUS	--	-	1400	1	5500	3	*	0
....TETRASTRUM	--	-	--	-	2800	1	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	--	-	4900	2	3400	2	--	-
...PHACOTACEAE								
....PHACOTUS	--	-	--	-	*	0	--	-
..ZYGNEMATALES								
...DESMIDIACEAE								
....COSMARIUM	--	-	--	-	*	0	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07373280 LAKE CONCORDIA NEAR FERRIDAY, LA--Continued

PHYTOPLANKTON ANALYSES, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE TIME	OCT 29,81 1200		JAN 28,82 1230		APR 19,82 1100		JUL 15,82 1130	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CRYPTOPHYTA (CRYPTOMONADS)								
.CRYPTOPHYCEAE								
..CRYPTOMONADALES								
...CRYPTOMONADACEAE								
....CRYPTOMONAS	--	-	*	0	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	14000	3	17000	7	--	-	110000	8
....ANACYSTIS	24000	6	150000#	59	74000#	38	95000	7
..NOSTOCALES								
...NOSTOCACEAE								
....ANABAENA	5200	1	--	-	--	-	37000	3
....CYLINDROSPERMUM	22000	5	--	-	--	-	36000	3
..OSCILLATORIALES								
...OSCILLATORIACEAE								
....OSCILLATORIA	340000#	81	7000	3	21000	11	950000#	74
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....TRACHELOMONAS	--	-	--	-	1400	1	--	-
PYRRHOPHYTA (FIRE ALGAE)								
.DINOPHYCEAE								
..DINOKONTAE								
...GLENODINIACEAE								
....GLENODINIUM	--	-	--	-	*	0	--	-
...GYMNODINIACEAE								
....GYMNODINIUM	--	-	--	-	*	0	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

073732805 LAKE CONCORDIA AT FERRIDAY, LA

LOCATION.--LAT 31°37'30", long 91°32'35", in lot 57, T.8 N., R.9 E., Concordia Parish, Hydrologic Unit 08040306, on upstream side of second control structure at Ferriday.

DRAINAGE AREA.--8.91 mi^2 (23.08 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1967 to September 1976 (gage heights only). October 1976 to current year (elevations only). Published as Lake Concordia near Ferriday, January 1967 to September 1980.

REVISED RECORDS.--WDR LA-81-1: 1977-80 (M).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1976, at datum 28.00 ft (8.534 m) higher. Prior to Apr. 9, 1981, at site 3.5 mi (5.6 km) northeast of Ferriday at same datum.

REMARKS.--Lake is formed from an oxbow lake by two adjacent structures on Bayou Cocodrie. One structure, built about 1948, is a 4.0-ft (1.22-m) pipe with invert at 46.0 ft (14.02 m). The second structure is a 5.0-ft (1.52-m) pipe with a single gate. The invert of this pipe is 42.0 ft (12.80 m). This structure was built about 1975 to permit the lowering of the lake when needed. Lake is used for conservation and flood control.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 55.33 ft (16.865 m), present datum, May 14, 1973; minimum, 47.48 ft (14.472 m), present datum, Nov. 26, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 49.41 ft (15.060 m) Aug. 9, 12; minimum, 47.48 ft (14.472 m) Nov. 26.

REVISIONS.--Revised figures of elevation (in feet) for the water year 1979, superseding those published in WDR LA-77-1 to -80-1 are given herein:

Water year	Date	Maximum elevation (ft)	(m)
1979	Apr. 24, 25, 26	51.56	15.715

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47.99	47.70	47.63	47.83	47.89	48.45	48.80	49.12	48.81	48.71	48.84	49.03
2	47.96	47.73	47.61	47.83	47.88	48.44	48.81	49.11	48.77	48.70	48.86	49.00
3	47.94	47.74	47.60	47.84	47.90	48.44	48.85	49.11	48.75	48.69	49.07	48.98
4	47.91	47.74	47.59	47.87	47.92	48.43	48.84	49.10	48.73	48.67	49.10	48.95
5	47.90	47.74	47.57	47.85	47.88	48.46	48.83	49.09	48.71	48.66	49.10	48.91
6	47.89	47.73	47.56	47.84	47.90	48.46	48.86	49.07	48.68	48.64	49.08	48.89
7	47.89	47.71	47.55	47.87	47.88	48.53	48.79	49.07	48.67	48.63	49.33	48.87
8	47.87	47.70	47.54	47.84	47.86	48.52	48.78	49.05	48.65	48.61	49.39	48.85
9	47.87	47.70	47.53	47.80	47.92	48.52	48.78	49.04	48.62	48.59	49.39	48.82
10	47.87	47.70	47.52	47.88	47.91	48.51	48.77	49.03	48.60	48.61	49.40	48.80
11	47.86	47.67	47.51	47.76	47.89	48.52	48.75	49.02	48.63	48.59	49.38	48.78
12	47.85	47.65	47.52	47.76	47.89	48.51	48.74	49.00	48.61	48.59	49.37	48.97
13	47.84	47.64	47.49	47.82	47.90	48.52	48.72	48.99	48.60	48.62	49.39	48.97
14	47.82	47.63	47.66	47.83	47.87	48.52	48.73	48.97	48.59	48.60	49.38	48.95
15	47.81	47.62	47.65	47.82	47.87	48.52	48.73	48.99	48.57	48.63	49.36	48.94
16	47.80	47.61	47.64	47.83	48.27	48.52	48.73	48.99	48.62	48.66	49.35	48.93
17	47.79	47.61	47.66	47.82	48.39	48.51	48.80	48.97	48.66	48.74	49.34	48.91
18	47.79	47.60	47.65	47.81	48.42	48.52	48.82	48.96	48.65	48.74	49.33	48.89
19	47.75	47.59	47.61	47.81	48.44	48.50	48.79	48.95	48.63	48.73	49.31	48.87
20	47.72	47.56	47.59	47.82	48.43	48.50	48.91	48.94	48.62	48.71	49.29	49.01
21	47.70	47.56	47.59	47.81	48.43	48.49	49.14	48.93	48.61	48.71	49.27	49.11
22	47.69	47.55	47.60	47.82	48.43	48.51	49.15	48.92	48.69	48.69	49.25	49.07
23	47.74	47.54	47.63	47.91	48.42	48.48	49.14	48.91	48.68	48.67	49.22	49.05
24	47.67	47.53	47.62	47.90	48.41	48.49	49.12	48.91	48.67	48.65	49.20	49.03
25	47.66	47.52	47.63	47.89	48.44	48.48	49.15	48.91	48.65	48.62	49.17	49.02
26	47.76	47.50	47.63	47.89	48.42	48.48	49.14	48.89	48.66	48.66	49.16	49.00
27	47.75	47.60	47.62	47.86	48.46	48.45	49.15	48.88	48.67	48.64	49.13	48.98
28	47.74	47.59	47.61	47.85	48.45	48.44	49.14	48.87	48.70	48.62	49.11	48.97
29	47.73	47.56	47.62	47.85	---	48.41	49.13	48.84	48.71	48.68	49.09	48.95
30	47.72	47.59	47.59	47.84	---	48.40	49.12	48.84	48.73	48.66	49.07	48.94
31	47.71	---	47.79	47.89	---	48.75	---	48.82	---	48.79	49.05	---
MAX	47.99	47.74	47.79	47.91	48.46	48.75	49.15	49.12	48.81	48.79	49.40	49.11
MIN	47.66	47.50	47.49	47.76	47.86	48.40	48.72	48.82	48.57	48.59	48.84	48.78

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA (CE 02600)

LOCATION.--Lat 31°03'55", long 91°41'15", Concordia Parish, Hydrologic Unit 08040301, at Corps of Engineers discharge range, 1.8 mi (2.9 km) above mouth, 5.5 mi (8.8 km) west of Old River Control Structure, and 5.6 miles (9.0 km) west of Knox Landing.

DRAINAGE AREA.--Indeterminate.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE.--June 1973 to September 1981.

COOPERATION.--Samples for suspended-sediment are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 646,000 tons (586,000 tonnes) Apr. 6, 1978; minimum daily, 1,000 tons (907 tonnes) Oct. 3, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
10...	77200	157	32700	89
NOV				
07...	63000	155	26400	99
21...	35000	129	12200	97
DEC				
05...	38000	135	13900	96
19...	95000	148	38000	95
JAN				
16...	32000	85	7340	99
FEB				
06...	49000	257	34000	100
13...	110000	284	84300	87
27...	114000	205	63100	86
MAR				
13...	168000	355	161000	84
27...	91000	161	39600	91
APR				
10...	96200	216	56100	93
MAY				
07...	163000	301	132000	89
21...	112000	244	73800	96
JUN				
04...	229000	404	250000	88
18...	194000	259	136000	91
JUL				
16...	159000	486	209000	96
30...	132000	295	105000	93
AUG				
13...	151000	381	155000	93
27...	110000	235	69800	94
SEP				
10...	101000	185	50400	91
24...	80500	183	39800	96

310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA (CE 02600)--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41000	23000	14000	14000	15000	98000	29000	188000	286000	163000	126000	54000
2	43000	22000	14000	13000	17000	117000	31000	181000	262000	181000	133000	51000
3	44000	23000	15000	12000	19000	103000	32000	180000	256000	198000	140000	49000
4	38000	24000	14000	11000	23000	112000	33000	174000	249000	196000	142000	46000
5	37000	26000	13000	10000	27000	147000	35000	163000	235000	197000	151000	43000
6	35000	26000	11000	10000	34000	157000	37000	152000	217000	199000	165000	40000
7	30000	26000	18000	9000	38000	150000	39000	132000	206000	181000	183000	40000
8	25000	25000	20000	9000	40000	156000	43000	122000	199000	176000	192000	42000
9	31000	24000	20000	9000	43000	162000	49000	117000	154000	177000	194000	46000
10	33000	23000	19000	10000	50000	179000	56000	116000	140000	179000	191000	50000
11	38000	22000	19000	10000	61000	177000	62000	110000	139000	178000	173000	52000
12	36000	21000	19000	9000	74000	164000	61000	90000	140000	181000	168000	59000
13	33000	19000	18000	9000	84000	161000	60000	92000	147000	186000	155000	63000
14	32000	18000	16000	8000	98000	152000	62000	96000	142000	187000	140000	68000
15	36000	17000	14000	8000	100000	143000	72000	96000	140000	195000	132000	61000
16	33000	16000	15000	7000	96000	134000	82000	92000	138000	208000	127000	55000
17	31000	15000	16000	8000	90000	120000	84000	91000	135000	211000	121000	54000
18	29000	13000	19000	9000	82000	109000	83000	88000	135000	207000	124000	55000
19	27000	13000	38000	8000	50000	101000	79000	72000	138000	195000	118000	58000
20	24000	12000	42000	9000	47000	83000	79000	65000	144000	180000	103000	53000
21	22000	12000	45000	9000	45000	80000	73000	74000	148000	158000	90000	49000
22	20000	14000	46000	9000	44000	71000	84000	89000	154000	132000	83000	44000
23	20000	15000	46000	10000	43000	58000	96000	96000	157000	120000	79000	42000
24	19000	16000	42000	10000	42000	49000	122000	100000	160000	123000	74000	39000
25	19000	15000	36000	10000	62000	41000	144000	108000	160000	124000	71000	36000
26	19000	16000	33000	11000	61000	43000	166000	134000	170000	115000	79000	34000
27	20000	16000	27000	11000	63000	40000	181000	171000	182000	112000	70000	31000
28	22000	17000	24000	12000	79000	37000	161000	202000	186000	94000	72000	29000
29	23000	17000	21000	12000	---	37000	161000	220000	188000	97000	62000	27000
30	23000	16000	19000	13000	---	40000	172000	272000	178000	105000	58000	24000
31	23000	---	16000	14000	---	30000	---	279000	---	118000	55000	---
TOTAL	904000	562000	729000	312000	1527000	3251000	2468000	4162000	5285000	5073000	3771000	1394000
MEAN	29200	18700	23500	10100	54500	105000	82300	134000	176000	164000	122000	46500
MAX	44000	26000	46000	14000	100000	179000	181000	279000	286000	211000	194000	68000
MIN	19000	12000	11000	7000	15000	30000	29000	65000	135000	94000	55000	24000
DAYS	31	30	31	31	28	31	30	31	30	31	31	30

WTR YR 1981 TOTAL 29438000 MEAN 80700 MAX 286000 MIN 7000 DAYS 365

07381800 SPRING CREEK NEAR GLENMORA, LA

LOCATION.--Lat 31°00'10", long 92°34'10", in SE1/4NE1/4 sec.4, T. 1 S., R.2 W., Rapides Parish, Louisiana meridian, Hydrologic Unit 08080102, near right bank on downstream side of bridge on U.S. Highway 165, 0.2 mi (0.3 km) upstream from Missouri Pacific Railroad Co. bridge, 2.0 mi (3.2 km) north of Glenmora, and 7.9 mi (12.7 km) upstream from mouth.

DRAINAGE AREA.--68.4 mi^2 (177.2 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Water-years 1954-56 (annual maximum), March 1956 to current year.

REVISED RECORDS.--WRD LA 1974: 1962(M), 1964(M), 1965(P), 1966(M), 1967-68(P), 1971-72(M), 1973(P).

GAGE.--Water-stage recorder. Datum of gage is 63.28 ft (19.288 m) National Geodetic Vertical Datum of 1929. Oct. 23, 1953, to Mar. 6, 1956, crest-stage gage at same site and datum.

REMARKS.--Records good, except those for period of no gage-height record, which are fair. Records of dissolved oxygen and water temperatures for water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--26 years, 88.8 ft^3/s (2.515 m^3/s), 17.63 in/yr (447 mm/yr), 64,340 acre-ft/yr (79.3 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,920 ft^3/s (196 m^3/s), Sept. 20, 1979, gage height, 17.55 ft (5.349 m); minimum, 24 ft^3/s (0.68 m^3/s) Sept. 26, 27, 28, 29-30, 1982; minimum gage height, 4.55 ft (1.387 m) Oct. 4, 5, 6, 1970.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1886, 20.50 ft (6.248 m) in May 1953; flood of June 1886 was similar, from floodmarks and information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 930 ft^3/s (26.3 m^3/s) Feb. 17, gage height, 12.50 ft (3.810 m), no peaks above base of 1,100 ft^3/s (31 m^3/s); minimum, 24 ft^3/s (0.68 m^3/s) Sept. 26, 27, 28, 29-30; minimum gage height, 4.61 ft (1.405 m) Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	30	33	46	46	62	186	49	35	33	60	28
2	37	37	31	38	50	52	81	47	35	32	50	28
3	29	33	31	38	53	47	56	46	35	32	58	28
4	28	31	31	37	46	45	45	44	34	31	45	30
5	29	30	31	36	43	43	42	43	34	31	38	28
6	31	29	31	35	43	43	38	43	34	31	37	28
7	36	29	31	35	42	43	36	43	33	30	160	28
8	33	29	31	33	41	41	35	42	33	29	50	28
9	32	36	31	33	55	42	35	41	33	31	60	29
10	32	32	31	33	52	42	36	40	33	28	40	28
11	31	30	31	33	53	41	34	40	33	28	33	56
12	30	29	31	37	48	40	33	39	35	45	35	98
13	30	29	31	45	44	40	33	39	37	31	50	36
14	29	29	39	41	42	40	33	45	35	30	200	29
15	28	28	36	41	75	39	33	41	34	30	170	27
16	28	28	32	43	568	38	32	39	35	29	90	26
17	28	30	33	41	746	37	75	39	37	29	53	26
18	29	31	32	41	214	37	55	39	34	28	34	26
19	28	31	32	40	92	36	44	39	33	28	32	25
20	28	31	32	40	70	36	207	38	33	28	30	31
21	29	31	35	39	61	35	439	38	39	28	30	29
22	34	31	34	39	55	35	236	37	35	28	29	26
23	32	31	33	39	50	35	168	37	33	30	29	26
24	31	31	33	38	48	38	113	36	32	28	29	26
25	44	31	33	37	46	36	129	36	32	30	29	26
26	34	31	33	37	51	34	116	37	32	90	29	25
27	33	31	33	37	59	35	79	36	33	60	28	25
28	31	32	33	37	94	38	63	36	33	43	28	25
29	29	31	33	37	---	35	55	36	34	40	28	24
30	29	33	33	38	---	35	51	36	33	100	28	24
31	29	---	62	51	---	54	---	35	---	150	28	---
TOTAL	961	925	1036	1195	2887	1254	2618	1236	1021	1241	1640	919
MEAN	31.0	30.8	33.4	38.5	103	40.5	87.3	39.9	34.0	40.0	52.9	30.6
MAX	44	37	62	51	746	62	439	49	39	150	200	98
MIN	28	28	31	33	41	34	32	35	32	28	28	24
CFSM	.45	.45	.49	.56	1.51	.59	1.28	.58	.50	.59	.78	.45
IN.	.52	.50	.56	.65	1.57	.68	1.43	.67	.56	.68	.89	.50
AC-FT	1910	1830	2050	2370	5730	2490	5190	2450	2030	2460	3250	1820

CAL YR 1981 TOTAL 14981 MEAN 41.0 MAX 286 MIN 28 CFSM .60 IN 8.16 AC-FT 29710
WTR YR 1982 TOTAL 16933 MEAN 46.4 MAX 746 MIN 24 CFSM .68 IN 9.22 AC-FT 33590

NOTE.--No gage height record Oct. 7-28, Nov. 3-16, July 7 to Aug. 17.

07381800 SPRING CREEK NEAR GLENMORA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SFPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.69	4.70	4.82	5.07	5.06	5.52	7.38	5.14	4.82	4.76	---	4.64
2	4.87	4.87	4.79	4.89	5.16	5.30	5.85	5.10	4.81	4.74	---	4.64
3	4.66	---	4.78	4.89	5.23	5.22	5.40	5.06	4.80	4.73	---	4.63
4	4.65	---	4.78	4.87	5.07	5.17	5.16	5.03	4.80	4.72	---	4.69
5	4.68	---	4.77	4.84	5.00	5.13	5.09	5.00	4.79	4.71	---	4.64
6	4.71	---	4.78	4.82	5.00	5.13	5.02	4.99	4.78	4.70	---	4.63
7	---	---	4.79	4.81	4.97	5.12	4.96	5.01	4.77	---	---	4.63
8	---	---	4.79	4.77	4.95	5.08	4.93	4.98	4.76	---	---	4.63
9	---	---	4.78	4.77	5.27	5.09	4.93	4.95	4.76	---	---	4.67
10	---	---	4.77	4.77	5.19	5.09	4.96	4.94	4.76	---	---	4.63
11	---	---	4.77	4.75	5.22	5.06	4.91	4.93	4.76	---	---	5.28
12	---	---	4.78	4.87	5.12	5.05	4.89	4.92	4.82	---	---	6.08
13	---	---	4.77	5.05	5.03	5.06	4.89	4.92	4.85	---	---	4.97
14	---	---	4.98	4.95	4.98	5.05	4.88	5.05	4.80	---	---	4.78
15	---	---	4.91	4.95	5.53	5.02	4.88	4.95	4.78	---	---	4.73
16	---	---	4.81	5.00	11.19	5.00	4.87	4.92	4.82	---	---	4.71
17	---	4.69	4.84	4.96	12.09	4.99	5.71	4.90	4.85	---	---	4.70
18	---	4.70	4.82	4.95	7.75	4.97	5.37	4.90	4.79	---	4.78	4.70
19	---	4.72	4.80	4.94	6.05	4.96	5.15	4.90	4.77	---	4.74	4.69
20	---	4.72	4.80	4.92	5.68	4.95	7.12	4.89	4.77	---	4.70	4.84
21	---	4.73	4.89	4.91	5.50	4.94	10.44	4.88	4.91	---	4.68	4.78
22	---	4.74	4.85	4.90	5.37	4.93	8.11	4.87	4.82	---	4.67	4.71
23	---	4.74	4.82	4.91	5.28	4.93	7.13	4.86	4.77	---	4.66	4.71
24	---	4.75	4.80	4.88	5.24	5.00	6.33	4.85	4.75	---	4.66	4.71
25	---	4.75	4.80	4.87	5.19	4.96	6.56	4.84	4.74	---	4.65	4.70
26	---	4.76	4.79	4.86	5.28	4.92	6.38	4.86	4.74	---	4.65	4.68
27	---	4.77	4.78	4.85	5.46	4.94	5.77	4.84	4.76	---	4.65	4.67
28	---	4.78	4.78	4.86	6.07	4.99	5.43	4.83	4.75	---	4.65	4.67
29	4.66	4.78	4.77	4.86	---	4.93	5.27	4.84	4.78	---	4.64	4.67
30	4.66	4.81	4.77	4.88	---	4.92	5.17	4.83	4.76	---	4.64	4.66
31	4.66	---	5.41	5.18	---	5.31	---	4.82	---	---	4.64	---
MAX	---	---	5.41	5.18	12.09	5.52	10.44	5.14	4.91	---	---	6.08
MIN	---	---	4.77	4.75	4.95	4.92	4.87	4.82	4.74	---	4.64	4.63

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA

LOCATION.--Lat 31°00'00", long 92°22'46", in NW1/4SW1/4 sec.4, T.1 S., R.1 E., Louisiana meridian, Evangeline Parish, Hydrologic Unit 08080102, near right bank on downstream side of bridge on U.S. Highway 167, 1,000 ft (305 m) downstream from Cocodrie Lake dam, 1.0 mi (1.6 km) downstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 1.5 mi (2.4 km) east of Clearwater, 4.0 mi (6.4 km) south of Meeker, and 5.0 mi (8.0 km) downstream from Hurricane Creek.

DRAINAGE AREA.--240 mi^2 (622 km^2).

PERIOD OF RECORD.--May 1922 to January 1925 (published as "near Meeker"), October 1937 to current year. Monthly discharge only for October 1937 published in WSP 1311.

REVISED RECORDS.--WSP 1211: 1938, drainage area. WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft (12.192 m) above mean Gulf level (levels by Corps of Engineers) and 39.57 ft (12.061 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). See WSP 1731 for history of changes prior to Mar. 28, 1940. Since Jan. 23, 1945, auxiliary nonrecording gage 6.6 mi (10.6 km) downstream from base gage at datum 35.10 ft (10.698 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Slight regulation at low flow by Cocodrie Lake. Records of dissolved oxygen and water temperatures for water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--47 years (water years 1923-24, 1938-82), 410 ft^3/s (11.61 m^3/s), 23.20 in/yr (589 mm/yr), 297,000 acre-ft/yr (366 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,200 ft^3/s (799 m^3/s) May 18, 1953, gage height, 26.72 ft (8.144 m); reverse flow Nov. 13-15, 1922, probably caused by heavy rains in basin below station; minimum discharge, 6.4 ft^3/s (0.18 m^3/s) Oct. 14, 15, 1980, regulated.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,000 ft^3/s (28.3 m^3/s) Feb. 18, gage height, 15.06 ft (4.590 m); minimum, 4.4 ft^3/s (1.25 m^3/s) Dec. 24, gage height, 4.75 ft (1.448 m), regulated.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	73	66	566	179	767	125	861	147	144	263	112
2	82	85	62	658	210	730	120	834	116	150	416	110
3	82	79	60	647	249	666	150	806	96	148	628	125
4	81	75	60	588	248	596	145	776	76	142	725	130
5	80	75	60	517	245	548	145	733	73	136	709	120
6	81	75	62	455	241	525	135	667	72	126	664	115
7	81	75	64	400	230	519	125	605	93	121	611	112
8	82	77	66	354	218	485	125	536	116	115	524	110
9	81	81	68	321	264	443	115	470	123	114	477	110
10	81	65	66	282	271	406	120	408	129	114	439	106
11	83	63	66	248	280	365	115	354	133	112	441	120
12	83	62	65	248	281	325	106	303	133	109	470	260
13	82	60	65	283	267	291	108	264	136	123	454	340
14	83	60	72	303	251	260	114	252	135	131	448	350
15	81	60	69	321	291	237	90	230	134	134	415	315
16	80	62	68	321	635	215	82	212	141	125	373	270
17	79	64	69	309	902	195	125	193	129	119	334	250
18	79	62	69	304	997	180	169	180	100	121	304	238
19	78	66	67	290	997	175	208	175	97	119	280	212
20	76	65	68	266	980	170	283	173	98	106	269	201
21	75	64	73	243	959	155	622	161	100	101	221	188
22	74	62	72	221	935	140	894	174	104	99	169	168
23	73	62	50	210	910	135	954	145	111	98	155	152
24	73	60	47	190	884	130	965	114	109	101	140	138
25	78	60	56	171	856	140	973	99	108	109	130	126
26	77	58	61	155	834	135	977	90	106	138	125	115
27	67	58	64	145	814	130	969	83	107	161	115	110
28	67	58	66	132	792	130	946	76	108	173	130	116
29	69	56	66	117	---	135	918	87	109	201	125	108
30	70	58	64	116	---	130	889	177	122	207	120	100
31	71	---	381	160	---	130	---	173	---	210	115	---
TOTAL	2412	1982	2312	9541	15220	9588	11812	10411	3361	4107	10789	5029
MEAN	77.8	66.1	74.6	308	544	309	394	336	112	132	348	168
MAX	83	85	381	658	997	767	977	861	147	210	725	350
MIN	67	56	47	116	179	130	82	76	72	98	115	100
CFSM	.32	.28	.31	1.28	2.27	1.29	1.64	1.40	.47	.55	1.45	.70
IN.	.37	.31	.36	1.48	2.36	1.49	1.83	1.61	.52	.64	1.67	.78
AC-FT	4780	3930	4590	18920	30190	19020	23430	20650	6670	8150	21400	9980

CAL YR 1981 TOTAL 63268 MEAN 173 MAX 647 MIN 47 CFSM .72 IN 9.81 AC-FT 125500
WTR YR 1982 TOTAL 86564 MEAN 237 MAX 997 MIN 47 CFSM .99 IN 13.42 AC-FT 171700

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.24	---	11.11	7.03	13.01	---	13.86	6.41	6.37	7.98	---
2	---	5.47	---	12.02	7.45	12.67	---	13.62	5.90	6.46	9.61	---
3	---	5.36	---	11.92	7.93	12.09	---	13.37	5.55	6.44	11.72	---
4	---	5.30	---	11.33	7.91	11.41	---	13.09	5.20	6.33	12.62	---
5	---	5.29	---	10.62	7.88	10.93	---	12.70	5.13	6.23	12.48	---
6	5.29	5.29	---	10.01	7.84	10.70	---	12.10	5.13	6.06	12.07	---
7	5.29	5.30	---	9.47	7.71	10.64	---	11.50	5.49	5.99	11.56	---
8	5.30	5.33	---	9.03	7.56	10.30	---	10.81	5.91	5.87	10.69	---
9	5.28	5.41	---	8.71	8.10	9.88	---	10.15	6.01	5.86	10.22	---
10	5.29	5.10	---	8.30	8.18	9.53	---	9.53	6.12	5.87	9.84	---
11	5.33	5.07	5.17	7.91	8.29	9.13	---	8.99	6.18	5.82	9.86	---
12	5.33	---	5.17	7.92	8.29	8.75	5.89	8.47	6.19	5.77	10.15	---
13	5.33	---	5.16	8.31	8.14	8.39	5.91	8.03	6.23	6.02	9.99	---
14	5.34	---	5.31	8.52	7.95	8.05	6.00	7.89	6.22	6.14	9.93	---
15	5.32	---	5.25	8.71	8.35	7.79	5.60	7.61	6.20	6.20	9.60	---
16	5.31	---	5.22	8.71	12.78	7.52	5.47	7.38	6.31	6.06	9.18	---
17	5.30	---	5.25	8.59	14.49	7.24	6.17	7.11	6.12	5.95	8.79	---
18	5.29	---	5.24	8.54	15.00	7.05	6.87	6.93	5.63	5.99	8.48	7.72
19	5.28	---	5.21	8.39	15.01	---	7.42	6.85	5.56	5.94	8.21	7.39
20	5.26	---	5.21	8.13	14.87	---	8.24	6.83	5.59	5.72	8.09	7.23
21	5.24	---	5.32	7.86	14.69	---	11.63	6.65	5.62	5.64	7.49	7.04
22	5.23	---	5.31	7.60	14.49	---	14.15	6.84	5.69	5.60	6.76	6.75
23	5.22	---	4.87	7.45	14.28	---	14.65	6.38	5.81	5.59	---	6.50
24	5.21	---	4.80	7.18	14.06	---	14.74	5.87	5.78	5.63	---	6.26
25	5.32	---	4.98	6.92	13.82	---	14.81	5.60	5.76	5.78	---	6.07
26	5.30	---	5.07	6.69	13.62	---	14.84	5.45	5.73	6.26	---	5.87
27	5.12	---	5.14	6.52	13.44	---	14.77	5.32	5.75	6.64	---	5.79
28	5.13	---	5.18	6.31	13.23	---	14.59	5.20	5.76	6.83	---	5.89
29	5.16	---	5.18	6.07	---	---	14.35	5.39	5.78	7.21	---	5.77
30	5.19	---	5.15	6.06	---	---	14.11	6.88	5.99	7.30	---	5.62
31	5.20	---	9.24	6.76	---	---	---	6.82	---	7.34	---	---
MAX	---	5.47	9.24	12.02	15.01	13.01	14.84	13.86	6.41	7.34	12.62	---
MIN	5.12	---	4.80	6.06	7.03	---	---	5.20	5.13	5.59	---	5.62

07382495 BAYOU COURTABLEAU NEAR WASHINGTON, LA

LOCATION.--Lat 30°38'53", long 92°03'40", in NW1/4 lot 7, T.5 S., R.4 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, on left bank, 0.3 mi (0.5 km) downstream from confluence of Bayous Cocodrie and Boeuf, 2.0 mi (3.2 km) northwest of Washington, and 3.4 mi (5.5 km) upstream from gaging station Bayou Courtableau at Washington (station 07382500).

DRAINAGE AREA.--701 mi^2 (1,816 km^2). See REMARKS.

PERIOD OF RECORD.--October 1975 to current year (gage heights only). Unpublished records, July 1946 to September 1975, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is at mean low Gulf level (Corps of Engineers bench mark). Prior to Feb. 28, 1949, nonrecording gage 0.3 mi (0.5 km) upstream at same datum.

REMARKS.--Some flow diverted from Bayou Boeuf into Chatlin Lake Canal through Bayou Lamourie. Since April 1952, floodflow is diverted from 76.1 mi^2 (197.1 km^2) in Bayou Rapides basin into Bayou Boeuf when stage of Red River makes it necessary to close gates at mouth of Bayou Rapides. In extreme floods, considerable flow bypasses the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 32.31 ft (9.848 m) Apr. 4, 1980; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since July 1946, 38.65 ft (11.781 m) May 19, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 28.52 ft (8.693 m) Feb. 19; minimum, 9.76 ft (2.975 m) June 12.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.43	13.23	11.55	24.48	17.05	19.93	14.01	20.02	12.51	15.70	15.83	12.92
2	12.71	13.24	11.57	23.72	17.40	19.85	14.88	19.30	12.43	15.66	17.85	12.70
3	12.71	15.35	11.57	21.43	18.56	19.65	15.61	18.76	12.33	15.45	20.03	12.51
4	12.57	17.00	11.52	20.14	17.89	19.34	15.96	18.92	12.17	15.25	20.27	12.36
5	12.52	16.20	11.47	18.78	17.75	18.96	16.06	18.82	11.94	14.91	19.81	12.24
6	12.45	15.36	11.40	18.58	16.75	18.69	16.00	18.66	11.71	14.44	19.29	12.13
7	12.49	15.15	11.36	18.17	15.87	18.89	15.73	18.67	11.50	13.95	19.54	12.02
8	12.55	14.78	11.35	19.54	15.43	18.88	15.38	18.47	11.34	13.46	19.67	11.93
9	12.67	16.00	11.31	18.67	16.83	18.68	15.08	18.20	11.20	13.24	19.28	11.87
10	13.19	17.02	11.26	17.55	18.96	18.51	14.86	17.96	11.09	13.02	18.87	11.81
11	13.07	16.90	11.19	16.39	18.02	18.34	14.65	17.66	11.00	12.78	18.56	12.16
12	12.90	16.52	11.12	15.91	17.69	18.14	14.44	17.21	10.95	12.55	18.88	21.70
13	12.84	15.95	11.08	18.37	17.56	17.91	14.58	16.71	11.02	12.44	19.27	24.48
14	12.75	15.34	11.69	18.94	17.14	17.64	14.64	16.34	11.61	12.40	18.93	23.55
15	12.61	14.71	13.56	18.53	17.79	17.35	14.70	15.99	12.30	12.41	18.34	21.32
16	12.49	14.11	14.24	18.09	26.34	17.05	14.69	15.63	12.56	12.42	17.60	18.99
17	12.34	13.57	14.61	17.37	27.83	16.69	14.82	15.23	13.63	12.42	17.29	18.31
18	12.20	13.15	15.00	16.70	28.35	16.32	15.89	14.96	14.02	12.39	17.27	18.11
19	12.03	12.83	14.95	16.98	28.50	15.92	16.23	14.97	14.11	12.31	17.14	17.95
20	11.98	12.59	14.69	17.13	28.37	15.46	16.51	14.79	14.03	12.27	16.36	17.71
21	11.92	12.49	14.50	17.07	28.01	15.08	21.66	14.55	13.84	12.26	15.23	17.80
22	11.89	12.29	14.64	16.97	27.41	14.71	25.82	14.20	15.36	12.26	14.66	18.10
23	11.88	12.15	14.77	17.01	26.54	14.49	26.39	13.89	16.93	12.26	14.35	17.95
24	11.83	12.05	14.91	17.54	25.27	14.30	26.32	13.67	17.41	12.25	14.14	17.55
25	11.86	11.99	15.43	17.59	23.50	14.27	26.24	13.80	17.37	12.33	14.12	17.03
26	12.91	11.86	15.72	17.45	21.70	14.26	26.06	13.84	17.17	12.48	14.16	16.39
27	14.19	11.71	15.64	17.16	20.97	14.05	25.34	13.88	16.92	12.62	14.11	15.77
28	14.26	11.58	15.38	16.77	20.44	13.95	24.00	13.92	16.58	12.89	13.90	15.19
29	14.21	11.48	15.04	16.42	---	13.93	22.27	13.66	16.17	12.94	13.61	14.71
30	13.06	11.46	14.63	16.03	---	13.85	20.85	13.19	15.82	13.61	13.36	14.44
31	13.62	---	18.84	16.20	---	13.95	---	12.77	---	14.79	13.15	---
MAX	14.26	17.02	18.84	24.48	28.50	19.93	26.39	20.02	17.41	15.70	20.27	24.48
MIN	11.83	11.46	11.08	15.91	15.43	13.85	14.01	12.77	10.95	12.25	13.15	11.81

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA

LOCATION.--Lat 30°37'05", long 92°03'20", in SW1/4NW1/4 lot 81, T.5 S., R.4 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 10 at Washington, 0.2 mi (0.3 km) upstream from Bayou Carron, 3.5 mi (5.6 km) downstream from confluence of Bayou Cocodrie and Bayou Boeuf, and 1.2 mi (1.9 km) upstream from Southern Pacific Transportation Co. bridge, 6.0 mi (9.7 km) north of Opelousas.

DRAINAGE AREA.--715 mi^2 (1,852 km^2). See REMARKS.

PERIOD OF RECORD.--July 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Aug. 23, 1948, nonrecording gage at same site and datum. Water-stage recorder for Bayou Courtableau near Washington (station 07382495) used as auxiliary gage for this station since Feb. 28, 1949. Prior to Feb. 28, 1949, auxiliary nonrecording gage 3.5 mi (5.6 km) upstream from base at same datum.

REMARKS.--Records good except for those periods of indefinite stage-discharge relation which are poor. Some flow diverted from Bayou Boeuf into Chatlin Lake Canal through Bayou Lamourie. Since April 1952, floodflow is diverted from 76.1 mi^2 (197.1 km^2) in Bayou Rapides basin into Bayou Boeuf when stage of Red River makes it necessary to close gates at mouth of Bayou Rapides. In extreme floods, considerable flow bypasses the station. Records of water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--36 years, 1044 ft^3/s (29.57 m^3/s), 756,400 acre-ft/yr (933 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,490 ft^3/s (269 m^3/s) May 21, 1953; maximum elevation, 35.29 ft (10.756 m) May 22, 1953; minimum discharge, 70 ft^3/s (1.98 m^3/s) Oct. 19, 1973; minimum elevation, 10.72 ft (3.267 m) Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,160 ft^3/s (118 m^3/s) Feb. 21; maximum elevation, 26.89 ft (8.196 m) Feb. 18, minimum daily discharge, 78 ft^3/s (2.21 m^3/s) Dec. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	146	166	97	2840	466	1380	181	1370	105	199	640	213
2	267	202	97	2480	386	1180	275	1190	109	247	970	192
3	231	494	97	1900	747	1090	265	987	113	198	1260	181
4	170	512	90	1460	749	975	277	911	129	213	1350	174
5	156	409	85	1020	581	836	290	828	117	239	1260	173
6	140	275	87	819	565	720	309	769	100	241	1060	166
7	163	225	90	878	455	792	318	774	95	230	796	158
8	178	193	97	1200	377	786	295	689	90	191	981	151
9	211	361	96	939	580	699	262	584	85	160	970	148
10	309	458	93	695	1020	537	238	557	81	163	850	144
11	206	343	89	505	792	580	231	528	79	149	601	180
12	127	298	83	427	618	513	170	448	80	135	378	2380
13	142	271	78	960	596	465	140	386	100	120	886	2910
14	149	246	150	1010	527	437	152	354	145	98	982	2370
15	139	217	238	873	590	414	176	344	198	102	957	1740
16	132	190	157	810	3340	386	183	315	168	114	785	997
17	117	163	140	676	3590	345	230	286	292	132	442	605
18	107	148	194	498	3780	315	259	282	223	150	428	477
19	88	141	192	443	4040	286	345	304	166	149	549	434
20	112	118	185	443	4140	242	600	237	160	128	781	413
21	117	119	202	421	4130	231	2200	242	140	102	515	555
22	131	111	256	423	3960	223	3110	224	290	105	363	719
23	130	105	245	424	3640	227	3370	208	319	99	315	651
24	123	102	221	459	3150	197	3380	188	344	99	273	518
25	146	98	207	406	2510	197	3480	207	303	102	226	408
26	339	95	242	379	1900	234	3480	154	255	102	220	329
27	457	90	251	347	1640	205	3270	119	247	101	292	295
28	337	85	253	304	1570	185	2800	126	253	155	303	271
29	281	82	253	287	---	190	2160	177	240	245	272	237
30	237	81	248	281	---	181	1610	172	211	350	244	213
31	202	---	1230	340	---	173	---	144	---	500	228	---
TOTAL	5790	6398	6043	24957	50479	15321	34056	14104	5237	5318	20177	18402
MEAN	187	213	195	805	1803	494	1135	455	175	172	651	613
MAX	457	512	1230	2840	4140	1380	3480	1370	344	500	1350	2910
MIN	88	81	78	281	377	173	140	119	79	98	220	144
AC-FT	11480	12690	11990	49500	100100	30390	67550	27980	10390	10550	40020	36500

CAL YR 1981 TOTAL 146981 MEAN 403 MAX 3220 MIN 78 AC-FT 291500
WTR YR 1982 TOTAL 206282 MEAN 565 MAX 4140 MIN 78 AC-FT 409200

NOTE.--Indefinite stage-discharge relation, Nov. 23-29, Dec. 14, 31, Apr. 17, 20, June 6-14, 21, 22, July 22, July 24 to Aug. 2, Sept. 11.

MISSISSIPPI RIVER DELTA

2500 BAYOU COURTABLEAU AT WASHINGTON, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.79	13.61	11.95	22.95	17.26	19.30	14.41	19.45	12.95	16.15	16.50	13.17
2	12.85	13.54	11.97	22.47	17.74	19.54	15.19	18.83	12.87	16.05	18.46	12.97
3	12.88	15.30	11.98	21.02	18.57	19.44	15.97	18.48	12.75	15.89	19.63	12.79
4	12.89	17.14	11.94	19.44	17.79	19.23	16.33	18.83	12.52	15.66	19.80	12.65
5	12.87	16.41	11.90	18.44	17.89	18.98	16.41	18.82	12.34	15.27	19.36	12.53
6	12.83	15.70	11.82	18.54	16.77	18.81	16.33	18.71	12.17	14.78	19.04	12.42
7	12.81	15.54	11.77	17.94	15.96	18.95	16.03	18.71	11.98	14.27	19.65	12.31
8	12.84	15.20	11.74	19.13	15.61	18.94	15.69	18.59	11.82	13.81	19.60	12.23
9	12.88	16.25	11.60	18.47	16.86	18.80	15.42	18.40	11.67	13.63	19.16	12.16
10	13.20	17.24	11.63	17.49	18.69	18.69	15.23	18.17	11.53	13.39	18.84	12.11
11	13.35	17.25	11.57	16.46	17.90	18.56	15.02	17.88	11.44	13.15	18.75	12.57
12	13.32	16.90	11.52	16.05	17.79	18.41	14.87	17.47	11.42	12.94	19.30	19.76
13	13.23	16.21	11.49	18.05	17.67	18.20	15.06	16.99	11.54	12.83	19.26	22.83
14	13.13	15.17	12.11	18.70	17.28	17.95	15.10	16.64	12.01	12.85	18.72	22.43
15	13.00	15.10	13.82	18.40	17.94	17.66	15.14	16.27	12.52	12.86	17.99	20.49
16	12.89	14.51	14.68	17.96	24.77	17.36	15.11	15.93	12.87	12.85	17.37	18.76
17	12.76	13.98	15.08	17.30	26.42	17.02	15.48	15.54	13.77	12.81	17.56	18.51
18	12.64	13.56	15.42	16.82	26.86	16.66	16.27	15.26	14.35	12.73	17.55	18.42
19	12.50	13.23	15.38	17.22	26.74	16.27	16.53	15.23	14.54	12.66	17.22	18.29
20	12.39	13.02	15.12	17.38	26.39	15.85	17.02	15.15	14.47	12.66	15.79	18.06
21	12.31	12.92	14.90	17.34	25.90	15.46	21.23	14.90	14.32	12.70	15.11	17.99
22	12.24	12.72	15.00	17.23	25.30	15.09	24.39	14.55	15.73	12.73	14.79	18.12
23	12.23	12.56	15.12	17.28	24.57	14.84	24.78	14.24	17.31	12.71	14.55	18.04
24	12.20	12.46	15.29	17.81	23.55	14.69	24.59	14.04	17.80	12.71	14.40	17.76
25	12.16	12.36	15.86	17.93	22.13	14.66	24.39	14.15	17.79	12.82	14.46	17.32
26	12.66	12.25	16.12	17.80	20.71	14.60	24.14	14.27	17.62	12.93	14.51	16.72
27	13.94	12.14	16.02	17.52	20.13	14.43	23.47	14.36	17.37	13.08	14.33	16.10
28	14.41	12.04	15.75	17.07	19.64	14.35	22.34	14.39	17.01	13.26	14.06	15.53
29	14.46	11.95	15.39	16.80	---	14.31	21.01	14.05	16.59	13.39	13.80	15.07
30	14.27	11.90	14.97	16.39	---	14.25	20.10	13.55	16.25	14.37	13.58	14.81
31	13.96	---	18.38	16.50	---	14.26	---	13.16	---	15.44	13.38	---
MAX	14.46	17.25	18.38	22.95	26.86	19.54	24.78	19.45	17.80	16.15	19.80	22.83
MIN	12.16	11.90	11.49	16.05	15.61	14.25	14.41	13.16	11.42	12.66	13.38	12.11

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA

LOCATION.--Lat 31°01'59", long 91°58'57", in NE1/4 sec. 29, T.1 N., R.5 E., Avoyelles Parish, Hydrologic Unit 08080102, near left bank on downstream side of bridge on State Highway 114 at Moreauville, and 150 ft (46 m) downstream from point of diversion from Bayou des Glaises.

DRAINAGE AREA.--270 mi^2 (699 km^2). See REMARKS.

PERIOD OF RECORD.--July 1943 to current year.

REVISED RECORDS.--WDR LA-77-1: 1973-76.

GAGE.--Water-stage recorder. Datum of gage is 23.46 ft (7.151 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Oct. 13, 1950, nonrecording gage at same site. Prior to Sept. 30, 1961, at datum 4.84 ft (1.475 m) higher. Water-stage recorder for Bayou des Glaises diversion channel near Moreauville (station 07383510) used as auxiliary gage for this station since Apr. 17, 1972.

REMARKS.--Records good. Diversion channel carries natural flow of Bayou des Glaises except when operation of floodgates, 12 mi (19 km) downstream from point of diversion, regulates flow into or out of bayou depending on stage in Red River and Old River overflow area. Flow includes diversion from Bayou Boeuf into Chatlin Lake Canal and is occasionally affected by diversion into or out of Red River and Old River overflow area. Channel discharges into West Protection Levee borrow pit channel, 6.0 mi (9.7 km) downstream. Records of dissolved oxygen and water temperatures for water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--39 years, 422 ft^3/s (11.95 m^3/s), 305,700 acre-ft/yr (377 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,340 ft^3/s (180 m^3/s) May 18, 1953, gage height, 22.68 ft (6.913 m), present datum; minimum, 2.7 ft^3/s (0.076 m^3/s) Oct. 13, 14, 15, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,570 ft^3/s (44.5 m^3/s) Aug. 2, maximum gage height, 14.81 ft (4.514 m) Feb. 16; minimum discharge, 7.0 ft^3/s (0.20 m^3/s) Dec. 9, 10, gage height recorded, 2.19 ft (0.668 m), but may have been less during periods of no gage-height record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	40	72	950	290	616	441	396	59	159	552	10
2	64	58	75	873	260	486	556	346	36	284	1420	10
3	60	318	66	777	330	391	430	323	16	222	1380	12
4	38	380	56	652	310	332	344	267	12	128	1000	20
5	33	257	39	491	237	231	280	163	10	80	807	19
6	36	175	29	325	163	204	182	105	10	51	673	15
7	46	101	20	227	120	380	134	136	9.5	32	480	12
8	50	70	13	193	102	470	104	131	10	29	520	10
9	51	86	8.5	175	171	365	117	90	16	27	500	30
10	54	117	8.4	130	460	298	112	82	23	26	470	63
11	49	102	13	101	410	246	93	79	30	26	500	142
12	43	86	14	96	283	192	93	68	58	26	680	1000
13	42	68	29	202	193	153	98	54	100	26	480	1100
14	44	57	86	334	143	137	87	51	141	46	480	567
15	41	50	262	334	464	133	73	88	173	52	340	292
16	38	45	311	372	1170	134	77	73	137	46	240	174
17	35	43	229	383	1220	125	124	53	161	43	200	120
18	34	42	188	280	1270	119	297	47	220	45	180	123
19	32	39	156	191	1360	116	362	53	194	53	145	117
20	29	33	118	142	1350	114	542	58	156	67	110	94
21	26	32	99	116	1320	109	1020	66	192	67	96	124
22	23	28	124	100	1270	104	1020	60	306	66	117	185
23	22	27	147	173	1190	102	1050	46	343	56	113	153
24	22	27	153	279	1110	101	1050	42	275	50	65	111
25	35	23	145	210	1020	100	1110	48	195	41	40	85
26	283	24	134	149	958	97	1060	29	150	37	25	71
27	224	25	110	170	903	96	991	20	141	46	21	64
28	137	42	91	175	773	97	890	29	141	54	17	58
29	87	45	77	120	---	98	760	47	194	64	14	53
30	61	66	69	85	---	98	559	74	167	130	12	49
31	47	---	900	180	---	97	---	67	---	154	11	---
TOTAL	1815	2506	3841.9	8985	18850	6341	14056	3191	3675.5	2233	11688	4883
MEAN	58.5	83.5	124	290	673	205	469	103	123	72.0	377	163
MAX	283	380	900	950	1360	616	1110	396	343	284	1420	1100
MIN	22	23	8.4	85	102	96	73	20	9.5	26	11	10
AC-FT	3600	4970	7620	17820	37390	12580	27880	6330	7290	4430	23180	9690

CAL YR 1981 TOTAL 58874.9 MEAN 161 MAX 1460 MIN 8.4 AC-FT 116800
WTR YR 1982 TOTAL 82065.4 MEAN 225 MAX 1420 MIN 8.4 AC-FT 162800

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.49	2.71	3.12	9.93	---	6.98	6.05	6.05	3.03	4.08	7.02	---
2	2.99	2.93	3.16	8.86	---	6.16	6.91	5.66	2.70	5.16	13.07	---
3	2.98	5.37	3.05	8.38	---	5.48	6.05	5.47	2.41	4.65	11.62	---
4	2.68	5.90	2.93	7.72	---	5.00	5.40	5.02	---	3.79	9.52	---
5	2.61	4.89	2.70	6.71	4.72	4.15	4.87	4.13	---	3.27	8.54	---
6	2.65	4.18	2.55	5.46	4.07	3.92	4.05	3.55	---	2.91	7.83	---
7	2.80	3.45	2.41	4.64	3.65	5.36	3.61	3.87	---	2.66	---	---
8	2.85	3.10	2.30	4.35	3.47	6.06	3.32	3.82	---	2.61	---	---
9	2.65	3.20	2.22	4.18	4.10	5.28	3.46	3.39	---	2.59	---	---
10	2.90	3.62	2.21	3.75	6.50	4.74	3.42	3.30	2.52	2.57	---	3.07
11	2.84	3.47	2.30	3.45	6.13	4.32	3.22	3.27	2.62	2.57	---	3.72
12	2.76	3.29	2.31	3.40	5.11	3.87	3.24	3.13	2.99	2.56	---	13.41
13	2.74	3.00	2.55	4.41	4.35	3.52	3.31	2.96	3.50	2.57	---	10.69
14	2.76	2.93	3.27	5.53	3.68	3.38	3.20	2.92	3.92	2.85	---	7.15
15	2.73	2.85	4.93	5.53	5.42	3.35	3.06	3.37	4.22	2.94	---	5.19
16	2.66	2.79	5.34	5.65	14.29	3.37	3.11	3.19	3.88	2.86	---	4.19
17	2.64	2.75	4.66	5.93	12.62	3.29	3.63	2.95	4.10	2.81	---	3.67
18	2.63	2.74	4.30	5.06	10.92	3.24	5.19	2.86	4.63	2.84	---	3.70
19	2.61	2.69	4.00	4.32	10.63	3.22	5.75	2.95	4.41	2.94	---	3.64
20	2.55	2.62	3.63	3.87	10.58	3.21	6.68	3.01	4.06	3.12	3.61	3.40
21	2.50	2.60	3.44	3.61	10.48	3.17	12.00	3.11	4.39	3.12	3.46	3.70
22	2.45	2.54	3.69	3.44	10.27	3.13	11.26	3.03	5.34	3.10	3.68	4.30
23	2.45	2.53	3.92	4.13	9.93	3.12	10.14	2.85	5.64	2.99	3.64	4.00
24	2.45	2.52	3.98	5.00	9.51	3.12	9.82	2.80	5.09	2.90	3.10	3.58
25	2.63	2.40	3.90	4.49	9.07	3.11	11.39	2.88	4.41	2.78	---	3.30
26	5.10	2.48	3.79	3.93	8.77	3.10	10.17	2.61	4.01	2.73	---	3.14
27	4.61	2.50	3.55	---	8.49	3.09	9.45	2.48	3.92	2.85	---	---
28	3.82	2.74	3.35	---	7.84	3.12	8.95	2.61	3.91	2.96	---	---
29	3.30	2.78	3.19	---	---	3.14	8.30	2.86	4.41	3.06	---	---
30	2.99	3.05	3.09	---	---	3.16	7.15	3.21	4.17	3.80	---	---
31	2.61	---	9.24	---	---	3.15	---	3.12	---	4.05	---	---
MAX	5.10	5.90	9.24	9.93	14.29	6.98	12.00	6.05	5.64	5.16	13.07	13.41
MIN	2.45	2.40	2.21	---	3.47	3.09	3.06	2.48	---	2.56	---	---

07383510 BAYOU DES GLAISES DIVERSION CHANNEL NEAR MOREAUVILLE, LA

LOCATION.--Lat 30°59'59", long 91°58'57", in NW1/4SE1/4 sec.4, T.1 S., R.5 E., Avoyelles Parish, Hydrologic Unit 08080102, near left bank on downstream side of bridge on unnumbered parish road, 2.5 mi (4.0 km) south of Moreauville, and 2.5 mi (4.0 km) downstream from gaging station Bayou des Glaises diversion channel at Moreauville (station 07383500).

DRAINAGE AREA.--284 mi^2 (736 km^2).

PERIOD OF RECORD.--April 1972 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 21.18 ft (6.456 m) National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 22.76 ft (6.937 m) Apr. 21, 1977; minimum recorded, 2.13 ft (0.649 m) July 11, 1982, but may have been less during the periods of no gage height record.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.54 ft (5.041 m) Feb. 16; minimum recorded, 2.13 ft (0.649 m) July 11, but may have been less during the periods of no gage height record.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.65	2.80	3.00	---	5.22	6.73	5.51	6.10	---	3.85	8.50	---
2	3.04	3.03	3.05	---	4.87	5.99	6.60	5.77	---	4.75	13.94	---
3	3.10	5.36	2.97	---	5.52	5.38	5.92	5.44	---	4.38	11.75	---
4	2.84	5.76	2.89	---	5.38	4.96	5.33	5.03	---	3.63	9.02	---
5	2.75	4.82	2.75	---	4.77	4.25	4.91	4.30	---	3.06	7.86	---
6	2.76	4.22	2.66	---	4.18	4.00	4.24	3.73	---	2.69	7.04	---
7	2.77	3.61	2.58	---	3.78	5.21	3.80	3.85	---	2.46	6.60	---
8	2.88	3.28	2.51	---	3.56	5.64	3.51	3.95	---	2.35	6.84	---
9	2.92	3.30	2.47	---	4.11	5.20	3.59	3.53	---	2.23	6.67	---
10	2.94	3.67	2.44	---	6.20	4.72	3.60	3.35	---	2.16	6.46	---
11	2.69	3.57	2.46	---	5.98	4.35	3.42	3.30	---	2.14	6.72	---
12	2.82	3.40	2.47	---	5.08	3.93	3.41	3.17	---	2.18	7.85	---
13	2.79	3.23	3.07	---	4.40	3.59	3.49	3.02	---	2.33	6.60	---
14	2.80	3.09	3.61	---	3.96	3.45	3.40	2.96	---	2.62	6.60	---
15	2.78	3.02	4.72	---	6.58	3.37	3.19	3.34	---	2.65	5.46	---
16	2.75	2.94	5.12	---	16.11	3.36	3.23	3.29	3.79	2.58	4.50	---
17	2.72	2.90	4.60	---	14.05	3.30	3.92	3.06	3.96	2.54	4.30	---
18	2.70	2.88	4.25	---	11.42	3.24	5.07	2.96	4.35	2.56	4.12	3.39
19	2.68	2.86	3.97	---	10.51	3.18	5.68	3.00	4.17	2.65	3.77	3.34
20	2.67	2.82	3.61	---	10.24	3.15	6.92	3.06	3.86	2.85	3.42	3.05
21	2.64	2.81	3.42	---	10.04	3.10	13.38	3.10	5.20	2.85	3.23	3.27
22	2.62	2.76	3.62	3.58	9.77	3.06	12.38	3.07	5.74	2.85	3.40	3.98
23	2.60	2.73	3.85	4.08	9.41	3.03	10.46	2.94	5.34	2.74	3.42	3.76
24	2.59	2.74	3.94	5.11	9.01	3.02	9.71	2.91	4.78	2.64	2.87	3.30
25	2.70	2.80	3.92	4.56	8.60	3.01	12.34	2.99	4.21	2.53	2.55	2.98
26	4.79	2.67	3.78	4.00	8.45	2.99	10.45	2.83	3.85	2.52	2.50	2.77
27	4.54	2.67	---	4.12	8.46	2.99	9.28	2.71	3.74	2.58	2.50	2.66
28	3.88	2.81	---	4.15	7.58	3.00	8.63	2.75	3.69	2.67	2.47	2.61
29	3.43	2.65	---	3.73	---	3.03	8.05	2.94	4.16	2.84	2.40	2.58
30	3.13	2.92	---	3.27	---	3.07	7.06	3.25	3.97	3.79	2.35	2.55
31	2.96	---	---	4.29	---	3.12	---	---	---	4.16	---	---
MAX	4.79	5.76	5.12	---	16.11	6.73	13.38	6.10	---	4.75	13.94	---
MIN	2.59	2.67	2.44	---	3.56	2.99	3.19	2.71	---	2.14	---	---

07384400 STATE CANAL NEAR KROTZ SPRINGS, LA

LOCATION.--Lat 30°33'55", long 91°49'55", in SW1/4NW1/4 sec.2, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, on downstream side of bridge on U.S. Highway 71, 1.7 mi (2.7 km) upstream from Slow Bayou, 2.0 mi (3.2 km) northwest of the junction of U.S. Highways 71 and 190, and 5.0 mi (8.0 km) northwest of town of Krotz Springs.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Annual peaks, water years 1960-67, October 1967 to current year (gage heights above 9.99 ft or 3.045 m only).

GAGE.--Water-stage recorder. Datum of gage is 2.55 ft (0.777 m) National Geodetic Vertical Datum of 1929. Crest-stage gage prior to 1967 at datum 2.55 ft (0.777 m) lower.

REMARKS.--No gage heights recorded below 9.99 ft (3.045 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.64 ft (6.291 m) May 27, 1973; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.63 ft (5.069 m) Feb. 19, minimum not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		10.21		11.92	12.70	16.10	11.57	16.03	11.11	12.00	11.86	10.62
2	10.05	10.36		13.08	12.73	15.98	11.94	15.83	10.41	12.03	12.64	10.40
3	10.11	10.49		13.95	13.12	15.82	12.15	15.59	10.22	12.00	13.56	10.22
4	10.15	10.64		14.11	13.53	15.62	12.29	15.29	10.05	11.98	13.86	10.04
5	10.11	10.89		14.01	13.62	15.41	12.41	14.92		11.93	13.90	
6	10.05	11.20		13.74	13.64	15.17	12.55	14.58		11.82	13.82	
7	10.02	11.36		13.58	13.57	15.14	12.53	14.30		11.71	14.21	
8	10.12	11.38		13.43	13.42	14.92	12.60	14.03		11.59	14.50	
9	10.12	11.49		13.56	13.31	14.66	12.65	13.79		11.09	14.50	
10	10.29	11.52		13.75	13.36	14.45	12.71	13.57		10.84	14.45	---
11	10.57	11.59		13.94	13.55	14.26	12.79	13.37		10.62	14.28	---
12	10.57	11.59		13.91	13.65	14.08	12.87	13.18		10.41	14.16	---
13	10.47	11.57		13.84	13.66	13.93	12.52	13.04		10.30	14.30	---
14	10.35	11.54		13.71	13.66	13.78	12.55	12.92		10.22	14.39	---
15	10.23	11.48		13.55	13.63	13.63	12.57	12.75		10.24	14.41	---
16	10.14	11.43		13.40	15.18	13.50	12.55	12.61	10.04	10.24	14.30	---
17	10.03	11.35		13.25	16.44	13.34	12.62	12.46	10.07	10.20	14.17	---
18		11.26	10.22	---	16.57	13.18	13.06	12.33	10.22	10.12	13.90	---
19		11.13	10.45	---	16.59	13.08	13.39	12.25	10.32	10.04	13.64	---
20		11.04	10.65	---	16.56	12.96	13.17	12.14	10.44	9.99	13.41	---
21		10.44	10.81	---	16.51	12.83	13.22	12.01	10.55	10.08	13.21	---
22		10.21	10.92	---	16.50	12.67	15.28	11.89	10.68	10.09	13.02	---
23		10.02	11.03	13.11	16.47	12.55	16.32	11.76	10.87	10.09	12.83	---
24			11.10	13.01	16.40	12.48	16.51	11.62	11.06	10.08	12.65	---
25			11.27	13.02	16.28	12.02	16.55	11.33	11.25	10.13	12.48	---
26			11.37	13.05	16.24	11.86	16.61	11.49	11.39	10.24	11.92	---
27	10.16		11.41	13.03	16.15	11.72	16.56	11.62	11.60	10.35	11.73	---
28	10.02		11.38	12.98	16.24	11.63	16.46	11.55	11.80	10.53	11.49	---
29	10.06		11.34	12.91	---	11.58	16.35	11.50	11.92	10.61	11.24	---
30	10.12		11.28	12.79	---	11.54	16.21	11.36	11.94	11.13	11.00	---
31	10.17		11.39	12.77	---	11.55	---	11.23	---	11.39	10.80	---
MAX	10.57	11.59	11.41	14.11	16.59	16.10	16.61	16.03	11.94	12.03	14.50	---
MIN	---	---	---	11.92	12.70	11.54	11.57	11.23	---	9.99	10.80	---

NOTE.--No gage height record Jan. 18 to 22, and Sept. 10 to 30.

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA

LOCATION.--Lat 30°31'59", long 91°51'27", in sec.16, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, 6.0 mi (9.7 km) west of Krotz Springs, and 0.8 mi (1.3 km) southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT												
02...	0800	459	7.7	15	9.0	<1.0	5.4	26	2.0	K340	84	170
28...	0755	499	7.7	10	15	<1.0	5.8	35	3.9	K95	K40	190
DEC												
04...	0835	430	7.6	20	15	<1.0	8.0	11	1.5	K90	K40	160
JAN												
08...	0815	152	6.7	100	190	<1.0	7.5	32	3.8	--	K160	55
29...	0800	232	6.6	120	120	<1.0	5.9	--	2.5	660	150	87
MAR												
05...	0735	159	6.8	80	60	<1.0	8.4	30	3.7	480	K110	67
26...	0810	292	7.3	60	40	<1.0	6.1	40	3.6	230	K20	120
APR												
29...	0745	144	6.7	60	90	<1.0	5.5	170	3.4	880	K150	56
MAY												
28...	0745	416	7.4	30	8.0	<1.0	5.1	<10	2.7	<4	440	170
JUN												
25...	0805	398	7.5	30	90	<1.0	4.8	15	3.3	K750	290	150
JUL												
30...	0805	467	7.4	30	6.0	<1.0	4.6	23	2.9	K100	K30	180
AUG												
27...	0755	273	7.1	40	30	<1.0	3.8	43	2.0	K300	K55	100
SEP												
24...	0750	221	6.9	80	25	<1.0	2.5	11	4.0	210	K60	87

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)
OCT												
02...	42	17	28	4.1	157	23	35	10	.04	.02	.06	.54
28...	47	17	30	5.0	193	14	33	41	.10	.07	.17	.45
DEC												
04...	38	15	28	4.5	147	23	30	23	.09	.03	.12	.98
JAN												
08...	13	5.4	7.0	3.7	47	16	8.1	116	.43	.07	.50	.74
29...	21	8.3	9.9	3.8	79	17	9.2	63	.45	.08	.53	1.7
MAR												
05...	16	6.6	7.9	3.4	58	9.8	7.1	42	.37	.06	.43	1.0
26...	29	12	14	3.4	110	15	12	35	.42	.10	.52	.87
APR												
29...	14	5.2	6.2	3.4	47	8.0	8.1	47	.53	.06	.59	.50
MAY												
28...	43	16	20	4.1	165	12	23	18	.08	.02	.10	1.3
JUN												
25...	38	14	21	3.9	136	17	27	98	.75	.08	.83	--
JUL												
30...	45	17	25	4.5	179	13	31	4	--	.01	<.10	1.4
AUG												
27...	26	9.6	12	4.0	104	8.0	12	22	--	.03	<.10	.60
SEP												
24...	22	7.7	9.6	5.1	80	9.0	9.8	26	.15	.05	.20	.70

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)
OCT												
02...	.12	5	3	<10	1	<1	2	10	<1	6	5	3
28...	.39	2	1	<10	<1	<1	1	10	<1	6	<1	<3
DEC												
04...	.09	2	1	<10	<1	<1	<1	20	<1	6	2	<3
JAN												
08...	.31	4	2	<10	<1	2	<1	20	<1	13	7	120
29...	.31	2	1	<10	<1	1	<1	20	<1	12	7	110
MAR												
05...	.27	3	3	<10	<1	1	<1	10	<1	9	9	220
26...	.24	3	2	<10	<1	1	1	20	<1	12	5	58
APR												
29...	.25	3	3	<10	<1	1	<1	10	<1	14	15	170
MAY												
28...	.20	4	3	<10	<1	<1	1	10	<1	7	6	10
JUN												
25...	.17	1	1	<10	<1	<1	<1	10	<1	10	15	26
JUL												
30...	.12	7	7	<10	<1	1	<1	10	<1	120	5	11
AUG												
27...	.24	6	6	<10	<1	4	<1	10	<1	9	8	57
SEP												
24...	.40	9	8	<10	<1	1	2	10	<1	8	7	76

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
02...	3	<1	<.1	<.1	4	1	<1	<1	1.0	90	21	4.7
28...	3	<1	<.1	<.1	4	2	<1	<1	1.0	140	72	5.4
DEC												
04...	<1	<1	<.1	<.1	1	<1	<1	<1	1.0	60	28	7.9
JAN												
08...	13	<1	<.1	.1	9	2	<1	<1	3.0	60	14	11
29...	7	1	<.1	<.1	7	1	<1	<1	1.0	160	50	12
MAR												
05...	12	3	<.1	<.1	5	4	<1	<1	2.0	120	61	10
26...	5	1	.1	.1	4	2	<1	<1	2.0	80	37	9.0
APR												
29...	6	6	<.1	<.1	7	6	<1	<1	3.0	80	42	11
MAY												
28...	2	2	.1	.1	6	4	<1	<1	2.0	70	31	11
JUN												
25...	3	<1	<.1	.2	7	2	<1	<1	1.1	50	13	8.3
JUL												
30...	4	2	<.1	<.1	3	1	<1	<1	1.9	10	8	7.5
AUG												
27...	6	5	.1	<.1	3	3	<1	<1	3.4	90	50	9.3
SEP												
24...	6	1	<.1	<.1	4	3	<1	<1	3.2	200	76	8.8

< Actual value is known to be less than the value shown.

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)
OCT											
02...	<.01	<1	3	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
28...	<.01	2	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
DEC											
04...	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JAN											
08...	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	.009	.01
29...	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
MAR											
05...	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
26...	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
APR											
29...	<.01	3	<1	<.1	<.1	<.001	<.1	<.001	<.001	.007	<.01
MAY											
28...	<.01	4	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JUN											
25...	<.01	2	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JUL											
30...	<.01	<1	1	--	--	--	--	--	--	--	--
AUG											
27...	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
SEP											
24...	<.01	15	1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
OCT											
02...	.004	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
28...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC											
04...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN											
08...	.005	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
29...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
MAR											
05...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
26...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
APR											
29...	.006	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
MAY											
28...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JUN											
25...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	.13	<.01
JUL											
30...	--	--	--	--	--	--	--	--	--	--	--
AUG											
27...	.002	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
SEP											
24...	.002	<.001	<.001	<.01	<.001	<.001	<.001	.02	<.01	<.01	<.01

< Actual value is known to be less than the value shown.

3031 3091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
02...	<.01	<.01	<.01	<.1	<.01	.18	<.01	.03	<.01	8.84	<.100
28...	<.01	<.01	<.01	<.1	<.01	.20	<.01	.01	<.01	5.59	1.97
DEC											
04...	<.01	<.01	<.01	<.1	<.01	.06	<.01	.01	<.01	21.2	5.89
JAN											
08...	<.01	<.01	<.01	<.1	<.01	.02	<.01	<.01	<.01	1.38	<.100
29...	<.01	<.01	<.01	<.1	<.01	.09	<.01	<.01	<.01	1.67	<.100
MAR											
05...	<.01	<.01	<.1	<1	<.01	.08	<.01	<.01	<.01	3.54	<.100
26...	<.01	<.01	<.1	<1	<.01	.06	<.01	<.01	<.01	8.78	<.100
APR											
29...	<.01	<.01	<.1	<1	<.01	.14	<.01	.12	<.01	1.70	<.100
MAY											
28...	<.01	<.01	<.1	<1	<.01	.33	<.01	.01	<.01	11.0	<.100
JUN											
25...	<.01	<.01	<.1	<1	<.01	--	--	--	--	19.0	<.100
JUL											
30...	--	--	--	--	--	.11	<.01	.09	<.01	21.0	2.50
AUG											
27...	<.01	<.01	<.1	<1	<.01	.30	<.01	.03	<.01	8.20	<.100
SEP											
24...	<.01	<.01	<.1	<1	<.01	<.01	<.01	<.01	<.01	3.10	<.100

< Actual value is known to be less than the value shown.

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA

LOCATION.--Lat 30°31'59", long 91°51'23", in sec.16, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, 6.0 mi (9.7 km) west of Krotz Springs, and 0.8 mi (1.3 km) southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT												
02...	0820	507	7.7	10	15	<1.0	5.4	36	2.5	580	520	190
28...	0817	492	7.6	10	20	<1.0	5.8	31	2.5	K80	K20	190
DEC												
04...	0850	418	7.6	20	20	<1.0	7.1	17	2.2	K180	K10	150
JAN												
08...	0755	148	6.7	150	170	<1.0	7.2	38	3.2	--	K260	54
29...	0810	225	7.0	80	70	<1.0	7.7	--	1.9	1500	190	86
MAR												
05...	0745	137	6.6	100	55	<1.0	7.5	43	2.4	860	K140	53
26...	0820	244	7.3	120	55	<1.0	3.0	32	1.7	220	K85	100
APR												
29...	0755	144	6.6	120	84	<1.0	5.4	140	1.8	1000	K170	56
MAY												
28...	0800	343	7.5	30	15	<1.0	6.6	<10	6.6	K12000	K7100	140
JUN												
25...	0815	438	7.6	30	12	<1.0	7.7	40	2.7	--	--	180
JUL												
30...	0815	452	7.1	20	6.0	<1.0	2.0	46	2.9	K160	K25	180
AUG												
27...	0810	250	7.1	40	25	<1.0	4.6	37	3.9	K25000	2900	96
SEP												
24...	0810	229	6.6	80	25	<1.0	2.6	31	2.9	1000	K30	83

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)
OCT												
02...	46	18	31	3.9	171	23	38	11	.15	.03	.18	.47
28...	48	18	32	4.0	193	15	34	40	.10	.07	.17	.74
DEC												
04...	36	15	28	4.5	148	22	29	37	.14	.03	.17	.45
JAN												
08...	13	5.3	7.0	3.7	44	13	7.3	84	.43	.07	.50	1.5
29...	21	8.2	10	3.8	77	17	11	86	.46	.05	.51	1.1
MAR												
05...	13	4.9	5.3	3.1	49	11	6.2	26	.29	.06	.35	1.6
26...	25	9.7	12	3.7	87	13	8.9	35	.48	.06	.54	1.5
APR												
29...	14	5.2	5.7	3.2	47	8.0	7.4	73	.54	.06	.60	--
MAY												
28...	35	13	15	3.8	131	11	15	30	--	.02	<.10	.80
JUN												
25...	46	17	23	4.0	162	17	25	17	--	.01	<.10	.20
JUL												
30...	45	16	23	4.2	171	13	29	12	--	<.01	<.10	.60
AUG												
27...	24	8.8	9.9	3.8	95	8.8	10	31	.13	.03	.16	.50
SEP												
24...	21	7.5	9.3	4.9	76	10	9.5	30	.05	.05	.10	.90

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)
OCT												
02...	.17	6	5	<10	1	<1	1	10	<1	5	6	3
28...	.23	2	2	<10	<1	<1	<1	10	<1	8	<1	5
DEC												
04...	.10	2	1	<10	<1	<1	1	20	<1	6	2	4
JAN												
08...	.32	4	2	<10	<1	1	<1	20	<1	21	5	160
29...	.30	2	2	<10	<1	<1	<1	20	<1	11	7	110
MAR												
05...	.27	2	2	<10	<1	1	1	10	<1	9	8	220
26...	.27	3	3	<10	<1	1	<1	10	<1	14	6	200
APR												
29...	.29	3	3	<10	<1	1	<1	20	<1	10	7	280
MAY												
28...	.30	4	3	<10	<1	<1	<1	20	<1	7	5	24
JUN												
25...	.18	7	6	<10	<1	<1	<1	10	<1	7	5	12
JUL												
30...	.23	10	10	<10	<1	<1	<1	10	<1	51	3	11
AUG												
27...	.28	7	7	<10	<1	1	<1	10	<1	7	5	49
SEP												
24...	.38	7	7	<10	<1	<1	<1	10	<1	5	5	94

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
02...	3	<1	.1	.1	3	1	<1	<1	1.0	50	24	4.7
28...	2	<1	.1	<.1	3	3	<1	<1	1.0	80	30	5.2
DEC												
04...	1	1	.1	<.1	4	<1	<1	<1	1.0	70	15	8.2
JAN												
08...	8	3	<.1	<.1	13	4	<1	<1	3.0	70	14	--
29...	6	1	<.1	<.1	5	2	<1	<1	1.0	90	32	13
MAR												
05...	6	2	<.1	<.1	8	2	<1	<1	2.0	60	36	11
26...	6	1	.2	<.1	6	2	<1	<1	2.0	50	23	9.7
APR												
29...	5	5	<.1	<.1	6	4	<1	<1	4.0	20	22	11
MAY												
28...	6	2	.1	.1	8	5	<1	<1	1.2	50	16	19
JUN												
25...	2	1	.1	<.1	4	2	<1	<1	1.1	30	12	8.5
JUL												
30...	4	2	<.1	<.1	3	2	<1	<1	1.3	20	14	7.2
AUG												
27...	7	5	.1	<.1	4	4	<1	<1	3.0	70	36	9.3
SEP												
24...	3	1	<.1	<.1	6	2	<1	<1	3.1	130	32	7.5

< Actual value is known to be less than the value shown.

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT											
02...	<.01	<1	1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
28...	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
DEC											
04...	<.01	5	6	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JAN											
08...	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	.004	<.01
29...	<.01	2	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
MAR											
05...	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
26...	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
APR											
29...	<.01	1	<1	<.1	<.1	<.001	<.1	<.001	<.001	.007	<.01
MAY											
28...	<.01	3	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JUN											
25...	<.01	4	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.02
JUL											
30...	<.01	<1	1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
AUG											
27...	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
SEP											
24...	<.01	<1	<1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.13

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT											
02...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
28...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC											
04...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN											
08...	.002	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
29...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	.01	<.01
MAR											
05...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
26...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
APR											
29...	.005	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
MAY											
28...	.02	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JUN											
25...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JUL											
30...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
AUG											
27...	.004	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
SEP											
24...	.002	<.001	<.001	<.01	<.001	<.001	<.001	.03	<.01	<.01	<.01

< Actual value is known to be less than the value shown.

[illegible] BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
02...	<.01	<.01	<.01	<.1	<.01	.27	<.01	.05	<.01	16.4	2.28
28...	<.01	<.01	<.01	<.1	<.01	.93	<.01	.01	.01	1.87	.800
DEC											
04...	<.01	<.01	<.01	<.1	<.01	.08	<.01	.01	<.01	20.2	4.08
JAN											
08...	<.01	<.01	<.01	<.1	<.01	--	--	--	--	.930	<.100
29...	<.01	<.01	<.01	<.1	<.01	.07	<.01	.01	<.01	2.73	1.10
MAR											
05...	<.01	<.01	<.1	<1	<.01	.05	<.01	<.01	<.01	5.47	<.100
26...	<.01	<.01	<.1	<1	<.01	.08	<.01	<.01	<.01	1.82	<.100
APR											
29...	<.01	<.01	<.1	<1	<.01	.14	<.01	.13	<.01	2.40	<.100
MAY											
28...	<.01	<.01	<.1	<1	<.01	4.5	<.01	.01	<.01	48.0	4.00
JUN											
25...	<.01	<.01	<.1	<1	<.01	.16	<.01	<.01	<.01	12.0	<.100
JUL											
30...	<.01	<.01	<.1	<1	<.01	.06	<.01	.03	<.01	16.0	<.100
AUG											
27...	<.01	<.01	<.1	<1	<.01	.21	<.01	.02	<.01	22.0	<.100
SEP											
24...	<.01	<.01	<.1	<1	<.01	<.01	<.01	.01	<.01	4.00	<.100

< Actual value is known to be less than the value shown.

07385470 BAYOU TECHE AT ROBIN, LA

LOCATION.--Lat 30°26'48", long 91°55'22", on line between lots 51 and 54, T. 7 S., R. 5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on parish road at Robin, and 3.7 mi (6.0 km) upstream from gaging station Bayou Teche at Arnaudville (station 07385500).

DRAINAGE AREA.--Indeterminate. See REMARKS.

PERIOD OF RECORD.--October 1974 to current year (elevations only). Unpublished records, November 1947 to September 1974, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to February 4, 1953, nonrecording gage at same site and datum.

REMARKS.--Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at weirs, near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaises floodgates and to or from West Atchafalaya Floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau drainage structure. Since April 1952, floodflow is diverted from Bayou Rapides, drainage area, 76.1 mi^2 (197 km^2), into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, about 23.0 ft (7.01 m) Apr. 21, 1977; minimum, 9.63 ft (2.935 m) Oct. 30, 31, Nov. 1, 2, 1978, but may have been less during period of no elevation record, Oct. 11-26, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since November 1947, 25.6 ft (7.80 m) May 23, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 17.41 ft (5.307 m) April 22; minimum, 9.76 ft (2.975 m) June 12, 13.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.63	11.31	10.18	15.38	13.67	14.35	11.64	14.76	10.63	13.68	12.95	10.95
2	10.70	11.21	10.15	15.40	14.38	14.86	11.90	14.47	10.54	13.08	14.34	10.80
3	10.65	11.84	10.11	14.98	15.14	15.04	12.57	14.23	10.49	12.89	14.52	10.67
4	10.66	13.31	10.05	14.36	14.18	15.03	13.01	14.53	10.41	12.72	14.98	10.56
5	10.65	13.32	10.01	13.97	14.34	14.97	13.16	14.72	10.25	12.45	14.86	10.46
6	10.60	12.85	9.97	14.45	13.75	14.95	13.07	14.73	10.10	12.09	14.92	10.38
7	10.57	12.72	9.92	13.99	13.09	15.00	12.90	14.94	9.96	11.72	15.58	10.33
8	10.62	12.52	9.88	14.37	12.74	14.90	12.67	14.82	9.85	11.36	15.44	10.27
9	10.65	12.90	9.87	14.35	---	14.96	12.44	14.65	9.80	11.15	15.35	10.22
10	10.73	13.54	9.86	13.85	---	14.90	12.28	14.50	9.78	11.08	15.37	10.18
11	10.90	13.86	9.86	13.25	14.12	14.83	12.14	14.31	9.77	10.89	15.88	10.80
12	10.95	13.76	9.85	13.19	14.25	14.76	12.01	14.07	9.76	10.67	16.36	12.44
13	10.91	13.42	9.85	14.10	14.33	14.66	12.09	14.76	9.80	10.55	16.03	15.14
14	10.83	12.98	10.32	14.40	14.15	14.50	12.16	13.56	10.10	10.52	15.23	15.48
15	10.74	12.52	10.89	14.28	14.82	14.30	12.18	13.20	10.31	10.59	14.55	14.98
16	10.67	12.08	11.67	14.03	18.34	14.06	12.69	12.90	10.66	10.61	14.00	14.48
17	10.61	11.67	12.17	13.70	18.53	13.83	12.30	12.65	11.18	10.62	14.12	14.66
18	10.53	11.33	12.47	13.40	18.19	13.57	12.65	12.36	11.52	10.62	14.19	14.78
19	10.43	11.06	12.54	13.66	17.68	13.29	12.99	12.23	11.79	10.59	14.03	14.77
20	10.34	10.85	12.42	13.87	17.01	12.95	13.31	12.21	11.87	10.65	13.07	14.66
21	10.28	10.76	12.26	13.91	16.46	12.67	14.63	12.10	11.75	10.68	12.43	14.47
22	10.21	10.65	12.19	13.86	16.12	12.38	17.38	11.90	12.08	10.55	12.11	14.41
23	10.19	10.53	12.22	13.84	15.88	12.12	17.19	11.67	13.40	10.54	11.92	14.43
24	10.18	10.43	12.48	14.08	15.65	12.97	16.55	11.48	14.13	10.52	11.78	14.38
25	10.17	10.36	13.06	14.33	15.35	11.91	15.99	11.42	14.25	10.59	11.78	14.18
26	10.21	10.33	13.08	14.35	14.98	11.36	15.73	11.49	14.18	10.70	11.84	13.82
27	10.58	10.27	13.06	14.25	14.73	11.80	15.53	11.57	14.06	10.73	11.77	13.36
28	11.32	10.15	12.90	14.03	14.51	11.75	15.32	11.64	13.82	10.80	11.60	12.91
29	11.66	10.07	12.70	13.78	---	11.72	14.93	11.54	13.48	11.05	11.42	12.50
30	11.69	10.10	12.63	13.57	---	11.65	14.93	11.23	13.57	11.53	11.26	12.25
31	11.50	---	12.33	13.41	---	11.63	---	10.90	---	12.14	11.09	---
MAX	11.69	13.86	13.08	15.40	18.53	15.04	17.38	14.94	14.25	13.68	16.36	15.48
MIN	10.17	10.07	9.85	13.19	---	11.63	11.64	10.90	9.76	10.52	11.09	10.18

07385500 BAYOU TECHE AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'50", long 91°55'50", at NW corner lot 63, T.7 S., R.5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 31, at Arnaudville, and 270 ft (82 m) upstream from Bayou Fusilier.

DRAINAGE AREA.--Indeterminate. See REMARKS.

PERIOD OF RECORD.--April 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to May 11, 1949, nonrecording gage. May 12, 1949 to May 11, 1960, water-stage recorder, May 26, 1960 to Aug. 15, 1961, nonrecording gage. All gages at same site and datum. Water-stage recorder for Bayou Teche at Robin (station 07385470) used as auxiliary gage for this station. Prior to Feb. 4, 1953, auxiliary nonrecording gage at same site and datum.

REMARKS.--Records good except for periods of indefinite stage-discharge relation which are poor. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau Weir near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaises floodgates and to or from West Atchafalaya Floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau Drainage Structure. Since April 1952, floodflow is diverted from Bayou Rapides, drainage area, 76.1 mi^2 (197 km^2), into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Teche-Vermillion fresh water diversion canal pumping plant test diversions from the Atchafalaya River occurred at unknown times since middle of July. Plant will be operational next water year. Records of water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--33 years, 816 ft^3/s (17.64 m^3/s) 591,200 acre-ft/yr (729 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,630 ft^3/s (131 m^3/s) May 24, 1953; maximum elevation, 24.27 ft (7.397 m) May 23, 1953; minimum discharge, 53 ft^3/s (1.50 m^3/s) Aug. 12, 1965, minimum elevation, 6.78 ft (2.067 m) Oct. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,830 ft^3/s (51.8 m^3/s) Feb. 19; maximum elevation, 18.18 ft (5.541 m) Feb. 16, 17; minimum daily discharge 165 ft^3/s (4.67 m^3/s) Dec. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	236	344	194	1240	841	933	397	1020	279	721	633	297
2	261	328	189	1190	990	1060	442	933	264	649	919	279
3	256	444	186	1070	1150	1090	552	907	255	624	977	262
4	257	716	178	919	925	1030	631	982	240	590	1080	247
5	255	696	176	866	990	1070	666	1020	223	538	1040	237
6	250	602	172	986	851	1070	656	1020	204	477	1070	227
7	244	584	165	859	718	1080	630	1020	188	418	1200	218
8	251	539	164	981	750	1080	585	1030	183	365	1180	211
9	255	616	176	945	750	1070	542	1010	187	336	1150	205
10	264	753	180	817	839	1060	519	974	193	332	1150	199
11	284	810	184	699	962	1040	495	924	195	296	1250	303
12	298	783	186	679	1000	1020	472	875	190	269	1290	582
13	292	706	177	859	1050	1000	492	810	182	258	1150	1140
14	283	617	235	951	892	958	503	756	198	249	1010	1140
15	269	533	292	946	1020	909	504	698	226	252	893	990
16	260	454	415	888	1240	860	506	640	266	256	806	915
17	250	391	493	816	1640	806	522	596	331	257	856	983
18	239	342	541	752	1740	752	591	539	377	252	864	1000
19	224	303	553	810	1680	691	652	519	422	253	821	993
20	217	274	529	861	1500	622	720	516	433	260	611	965
21	208	266	504	867	1420	566	1010	501	415	263	519	923
22	199	253	493	858	1350	510	1480	469	472	252	472	920
23	192	237	493	844	1300	475	1410	432	722	250	444	927
24	194	222	519	904	1230	451	1350	404	892	251	426	909
25	195	216	638	964	1140	439	1250	393	906	249	426	858
26	190	213	654	968	1050	433	1240	401	886	268	435	778
27	225	204	655	947	1000	426	1200	412	858	275	418	684
28	332	189	624	894	950	410	1120	422	798	286	391	598
29	397	179	570	840	---	407	1050	408	730	330	366	528
30	408	185	514	832	---	402	1060	371	774	386	340	491
31	382	---	733	794	---	395	---	314	---	500	318	---
TOTAL	8063	13001	11785	27846	31009	24175	23247	21316	12489	10962	24505	19009
MEAN	260	433	380	898	1107	780	775	688	416	354	790	634
MAX	408	810	733	1240	1740	1090	1480	1030	906	721	1290	1140
MIN	190	179	165	679	718	395	397	314	182	249	318	199
AC-FT	15990	25790	23380	55230	61510	47950	46110	42280	24770	21740	48610	37700

CAL YR 1981 TOTAL 200840 MEAN 550 MAX 1620 MIN 165 AC-FT 398400
WTR YR 1982 TOTAL 227408 MEAN 623 MAX 1740 MIN 165 AC-FT 451100

NOTE.--Indefinite stage-discharge relation Oct. 1, Dec. 14, July 20, 29.

07385500 BAYOU TECHE AT ARNAUDVILLE, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.44	11.05	10.01	14.65	13.06	13.82	11.34	14.20	10.35	13.30	12.53	10.70
2	10.48	10.96	9.98	14.76	13.74	14.25	11.57	13.93	10.25	12.67	13.82	10.57
3	10.44	11.50	9.95	14.40	14.49	14.44	12.20	13.69	10.23	12.47	13.95	10.45
4	10.45	12.43	9.89	13.84	13.59	14.44	12.61	13.96	10.12	12.31	14.39	10.34
5	10.44	12.89	9.85	13.42	13.68	14.39	12.75	14.14	10.02	12.07	14.29	10.25
6	10.39	12.46	9.82	13.84	13.15	14.38	12.64	14.15	9.89	11.74	14.32	10.18
7	10.37	12.33	9.78	13.47	12.53	14.42	12.47	14.43	9.76	11.39	14.98	10.14
8	10.42	12.16	9.72	13.75	12.21	14.39	12.26	14.26	9.63	11.05	14.83	10.09
9	10.44	12.50	9.68	13.79	12.41	14.38	12.05	14.09	9.55	10.86	14.76	10.04
10	10.52	13.07	9.66	13.35	13.46	14.32	11.89	13.95	9.48	10.82	14.79	10.01
11	10.67	13.40	9.64	12.80	13.43	14.26	11.76	13.76	9.45	10.63	15.29	10.53
12	10.71	13.30	9.62	12.75	13.53	14.19	11.63	13.53	9.47	10.43	15.83	11.95
13	10.67	13.01	9.64	13.61	13.52	14.10	11.70	13.25	9.56	10.29	15.60	14.48
14	10.59	12.60	10.22	13.84	13.34	13.96	11.78	13.09	9.91	10.29	14.79	14.93
15	10.51	12.18	10.64	13.69	14.22	13.78	11.79	12.74	10.10	10.37	14.12	14.47
16	10.45	11.77	11.34	13.46	17.85	13.55	11.80	12.45	10.43	10.39	13.57	14.00
17	10.40	11.39	11.81	13.16	18.07	13.34	11.91	12.21	10.91	10.40	13.64	14.12
18	10.34	11.08	12.10	12.88	17.59	13.11	12.22	11.95	11.23	10.41	13.71	14.26
19	10.24	10.83	12.16	13.11	17.03	12.86	12.53	11.81	11.47	10.36	13.58	14.25
20	10.15	10.63	12.05	13.30	16.38	12.55	12.84	11.79	11.55	10.46	12.72	14.16
21	10.10	10.55	11.90	13.34	15.80	12.30	14.03	11.69	11.44	10.46	12.09	13.98
22	10.04	10.45	11.83	13.29	15.45	12.04	16.89	11.50	11.73	10.32	11.78	13.90
23	10.03	10.34	11.87	13.29	15.23	11.78	16.70	12.29	12.94	10.31	11.59	13.92
24	10.02	10.25	12.15	13.50	16.03	11.64	16.00	11.11	13.59	10.29	11.42	13.88
25	10.02	10.19	12.66	13.73	14.77	11.59	15.36	11.06	13.73	10.38	11.45	13.71
26	10.05	10.15	12.66	13.74	14.43	11.54	15.11	11.13	13.66	10.47	11.50	13.38
27	10.42	10.10	12.63	13.65	14.18	11.49	14.92	11.21	13.55	10.49	11.45	12.96
28	11.08	9.99	12.48	13.45	13.97	11.45	14.64	11.29	13.35	10.55	11.30	12.54
29	11.37	9.91	12.24	13.15	---	11.42	14.36	11.18	13.03	10.84	11.14	12.16
30	11.38	9.94	11.97	12.94	---	11.34	14.35	10.89	13.06	11.23	10.99	11.92
31	11.23	---	12.61	12.80	---	11.33	---	10.59	---	11.75	10.84	---
MAX	11.38	13.40	12.66	14.76	18.07	14.44	16.89	14.43	13.73	13.30	15.83	14.93
MIN	10.02	9.91	9.62	12.75	12.21	11.33	11.34	10.59	9.45	10.29	10.84	10.01

07386200 BAYOU FUSILIER AT WEIR, NEAR ARNAUDVILLE, LA

LOCATION.--Lat 30°23'55", long 91°56'41", in center of N1/2 lot 45 T.7 S., R.5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080103, on right bank 95 ft (29 m) upstream from weir, 0.6 mi (1.0 km) west of Arnaudville, and 0.9 mi (1.4 km) downstream from point of diversion from Bayou Teche.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1980 to current year (gage heights only).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 23.95 ft (7.300 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Bayou Fusilier is a distributary of Bayou Teche into the Vermilion River basin. For other diversions that occur in the Bayou Teche basin above this distributary, see Bayou Teche at Arnaudville (station 07385500).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 17.75 ft (5.410 m) Feb. 17, 1982; minimum 9.07 ft (2.765 m) June 11, 12, 13, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.75 ft (5.410 m) Feb. 17; minimum gage height, 9.07 ft (2.765 m) June 11, 12, 13.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.91	10.49	9.51	13.89	12.37	13.07	10.78	13.48	9.86	---	11.89	10.18
2	9.96	10.41	9.48	13.97	13.00	13.48	11.00	13.23	9.78	---	13.11	10.04
3	9.91	10.87	9.46	13.63	13.81	13.65	11.60	13.01	9.75	---	13.22	9.93
4	9.93	12.14	9.41	13.10	12.89	13.64	12.00	13.25	9.58	---	13.63	9.83
5	9.92	12.24	9.37	12.74	12.96	13.60	12.12	13.43	9.56	---	13.53	9.75
6	9.88	11.83	9.34	13.11	12.46	13.59	12.02	13.44	9.43	---	13.58	9.68
7	9.85	11.70	9.30	12.76	11.88	13.63	11.86	13.70	9.31	---	14.20	9.64
8	9.89	11.53	9.26	13.03	11.57	13.61	11.67	13.55	9.19	---	14.06	9.60
9	9.91	11.86	9.22	13.04	11.75	13.58	11.46	13.39	9.12	---	14.01	9.55
10	9.99	12.39	9.20	12.65	12.75	13.56	11.32	13.25	9.09	---	14.07	9.52
11	10.13	12.68	9.19	12.13	12.72	13.48	11.19	12.95	9.08	---	14.55	10.02
12	10.17	12.61	9.18	12.10	12.62	13.41	11.07	12.87	9.07	---	15.06	11.43
13	10.13	12.33	9.19	13.04	12.80	13.33	11.13	12.60	9.11	9.83	14.84	13.72
14	10.06	11.95	9.73	13.14	12.65	13.19	11.21	12.44	9.44	9.79	14.05	14.12
15	9.99	11.55	10.13	12.98	13.48	13.02	11.22	12.11	9.62	9.87	13.37	13.69
16	9.93	11.16	10.78	12.76	17.37	12.92	11.23	11.86	9.91	9.88	12.86	13.27
17	9.88	10.81	11.21	12.48	17.63	12.62	11.33	11.61	10.38	9.90	12.94	13.40
18	9.82	10.51	11.48	12.22	17.07	12.40	11.62	11.37	10.58	9.90	13.00	13.51
19	9.73	10.27	11.54	12.43	16.37	12.16	11.92	11.25	10.89	9.87	12.87	13.50
20	9.65	10.09	11.43	12.62	15.54	11.87	12.21	11.22	10.97	9.96	12.05	13.42
21	9.60	10.00	11.30	12.65	14.87	11.63	13.32	11.13	10.87	9.95	11.47	13.25
22	9.56	9.92	11.23	12.60	14.53	11.38	15.97	10.95	11.93	9.82	11.19	13.18
23	9.53	9.81	11.27	12.60	14.14	11.14	16.19	10.75	---	9.81	11.01	13.19
24	9.52	9.73	11.55	12.78	14.18	11.04	15.35	10.58	---	9.79	10.88	13.15
25	9.51	9.68	12.01	12.99	13.96	11.02	14.60	10.54	---	9.88	10.88	12.99
26	9.55	9.64	12.01	13.01	13.64	10.99	14.31	10.60	---	9.95	10.94	12.68
27	9.86	9.59	11.08	12.93	13.42	10.95	14.16	10.68	---	9.97	10.88	12.29
28	10.49	9.49	11.84	12.75	13.22	10.93	13.89	10.75	---	10.03	10.75	11.89
29	10.78	9.43	11.64	12.53	---	10.88	13.63	10.65	---	10.30	10.59	11.53
30	10.80	9.44	11.36	12.27	---	10.79	13.62	10.38	---	10.66	10.45	11.32
31	10.47	---	12.02	12.13	---	10.78	---	10.09	---	11.16	10.30	---
MAX	10.80	12.68	12.02	13.97	17.63	13.65	16.19	13.70	---	---	15.06	14.12
MIN	9.51	9.43	9.18	12.10	11.57	10.78	10.78	10.09	9.07	9.79	10.30	9.52

08010000 BAYOU DES CANNES NEAR EUNICE, LA

LOCATION.--Lat 30°29'00", long 92°29'25", in SW1/4SE1/4 sec.32, T.6 S., R.1 W., Louisiana meridian, Evangeline Parish, Hydrologic Unit 08080201, on left bank at downstream side of bridge on U.S. Highway 190, 3.0 mi (4.8 km) downstream from Missouri Pacific Railroad bridge, and 4.0 mi (6.4 km) west of Eunice.

DRAINAGE AREA.--131 mi^2 (339 km^2).

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1242: 1950(P).

GAGE.--Water-stage recorder. Datum of gage is 14.84 ft (4.523 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 17, 1940, nonrecording gage at same site and datum. Auxiliary water-stage recorder 1.8 mi (2.9 km) downstream from base gage. Datum of auxiliary gage is 13.70 ft (4.176 m) National Geodetic Vertical Datum of 1929. See WSP 1732 for history of changes prior to Jan. 13, 1958.

REMARKS.--Records good to Apr. 20. Apr. 20 to Sept. 30 records poor between 150 and 4,500 cfs, good below and above. Small diversion above station. Records of water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--44 years, 265 ft^3/s (7.505 m^3/s), 27.47 in/yr (698 mm/yr), 192,000 acre-ft/yr (237 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft^3/s (337 m^3/s) May 20, 1953, gage height, 22.36 ft (6.82 m). No flow at times in 1939, 1948, 1955-56, 1964, 1971, 1975-77.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,250 ft^3/s (149 m^3/s) Sept 13, gage height, 18.56 ft (5.66 m); minimum, 0.60 ft^3/s (0.017 m^3/s) June 16, gage height, 0.91 ft (0.277 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	5.0	8.0	2000	102	61	85	77	3.4	25	350	3.3
2	34	79	7.8	940	55	50	104	55	1.8	14	1490	2.7
3	36	300	7.0	214	321	44	135	33	1.4	9.5	1390	2.1
4	16	174	5.8	91	170	35	110	22	1.0	8.2	320	1.7
5	7.7	72	5.2	62	60	27	80	15	.80	7.8	144	1.5
6	5.3	34	5.2	40	33	22	79	18	1.0	7.5	75	1.3
7	135	17	5.0	119	20	41	68	38	1.8	7.5	64	1.2
8	69	12	4.9	577	14	30	39	36	3.6	16	105	1.2
9	19	690	4.3	161	300	17	29	25	3.2	66	145	1.2
10	13	480	3.7	64	426	12	50	14	2.8	31	97	1.2
11	13	108	3.1	34	100	8.7	72	13	2.5	13	375	310
12	18	49	3.1	64	66	7.1	49	10	2.3	8.0	1450	4200
13	11	25	3.6	1000	87	6.1	58	530	1.3	20	1370	5200
14	7.7	17	228	720	44	6.4	90	690	.90	34	626	4950
15	6.6	12	223	250	402	5.9	70	320	.70	59	137	3800
16	7.1	8.6	60	130	3190	3.9	76	110	1.7	80	59	1350
17	10	7.2	26	55	4420	3.1	403	72	670	98	129	370
18	8.3	6.3	56	30	3670	3.8	659	64	635	54	55	220
19	7.2	7.0	31	23	1370	4.1	192	103	180	34	31	78
20	6.4	7.5	10	20	372	3.7	110	78	69	285	23	55
21	5.3	5.5	12	16	97	4.9	495	51	43	188	13	54
22	8.6	4.1	55	15	65	5.3	2200	34	74	160	9.3	43
23	4.6	4.2	37	34	51	5.9	2300	62	53	114	5.6	29
24	7.2	4.6	22	54	40	14	770	40	20	111	5.2	20
25	10	4.9	54	30	37	39	820	14	11	74	7.4	15
26	26	5.8	54	15	67	44	600	8.6	7.2	70	9.7	12
27	45	4.5	25	11	434	30	200	8.2	15	106	6.0	11
28	26	4.5	11	10	136	62	137	6.4	127	92	5.4	9.5
29	14	5.2	7.8	11	---	57	84	4.1	56	300	13	7.1
30	9.3	7.4	4.4	12	---	56	53	2.8	49	640	3.8	5.4
31	7.1	---	1100	174	---	68	---	2.9	---	250	3.5	---
TOTAL	595.8	2161.3	2082.9	6985	16149	777.9	10207	2557.0	2039.40	2982.5	8516.9	20756.4
MEAN	19.2	72.0	67.2	225	577	25.1	340	82.5	67.9	96.2	275	692
MAX	135	690	1100	2000	4420	68	2300	690	670	640	1490	5200
MIN	2.4	4.1	3.1	10	14	3.1	29	2.8	.70	7.5	3.5	1.2
CFSM	.15	.55	.51	1.72	4.41	.19	2.60	.63	.52	.73	2.10	5.28
IN.	.17	.61	.59	1.98	4.59	.22	2.90	.73	.58	.85	2.42	5.89
AC-FT	1180	4290	4130	13850	32030	1540	20250	5070	4040	5920	16890	41170

CAL YR 1981 TOTAL 42297.10 MEAN 116 MAX 2700 MIN .75 CFSM .89 IN 12.01 AC-FT 83900
WTR YR 1982 TOTAL 75910.10 MEAN 208 MAX 5200 MIN .70 CFSM 1.59 IN 21.53 AC-FT 150400

NOTE.--No auxiliary gage-height record Apr. 20 to Aug. 12 and Aug. 27 to Sept. 30.

08010000 BAYOU DES CANNES NEAR EUNICE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.99	1.23	1.48	15.60	4.12	3.17	3.76	3.57	1.25	---	7.63	1.24
2	2.08	3.29	1.46	12.35	3.01	2.90	4.20	3.02	1.15	---	12.83	1.19
3	2.52	7.11	1.41	6.11	6.81	2.76	4.76	2.45	1.05	---	12.63	1.13
4	1.77	5.57	1.34	3.91	5.30	2.51	4.32	2.15	.99	---	8.79	1.09
5	1.40	3.43	1.29	3.21	3.16	2.29	3.65	1.92	.96	---	11.92	1.06
6	1.24	2.40	1.20	2.66	2.45	2.13	3.63	2.21	.99	---	3.52	1.04
7	4.74	1.88	1.28	3.75	2.08	2.66	3.34	2.61	1.10	---	---	1.03
8	3.27	1.69	1.26	3.41	1.86	2.36	2.62	2.54	1.27	---	---	1.02
9	1.93	9.66	1.22	5.18	5.47	1.97	2.35	2.24	1.23	---	---	1.02
10	1.70	9.17	1.17	3.24	8.25	1.78	2.88	1.87	1.20	---	---	1.02
11	1.86	4.35	1.13	2.48	4.08	1.62	3.44	1.84	1.17	---	---	7.38
12	1.90	2.85	1.12	2.24	3.30	1.52	2.87	1.70	1.15	---	---	17.84
13	1.58	2.17	1.16	---	3.81	1.45	3.09	3.07	1.04	---	13.51	18.52
14	1.41	1.89	5.27	---	2.75	1.47	3.88	11.85	.98	---	9.93	18.33
15	1.34	1.72	6.29	---	6.38	1.44	3.39	8.46	.94	---	4.79	17.20
16	1.37	1.52	3.42	---	16.67	1.29	3.55	4.33	1.09	---	3.12	13.78
17	1.57	1.43	2.61	---	17.95	1.23	7.13	3.46	10.01	---	4.50	9.73
18	1.45	1.37	3.33	---	17.44	1.28	10.05	4.87	9.99	---	3.03	5.19
19	1.38	1.41	2.75	---	14.45	1.31	5.53	6.18	5.22	---	2.40	3.59
20	1.32	1.44	2.02	---	8.52	1.28	5.02	3.59	3.35	---	2.17	3.02
21	1.25	1.31	2.13	---	4.03	1.37	12.57	2.92	2.73	5.55	1.85	3.00
22	1.20	1.21	3.31	---	3.27	1.40	16.06	2.48	3.49	5.25	1.66	2.72
23	1.20	1.22	2.90	---	2.93	1.44	16.14	3.20	2.98	4.41	1.42	2.33
24	1.36	1.25	2.48	---	2.65	1.93	12.66	2.65	2.07	4.34	1.39	2.08
25	1.57	1.27	3.30	2.59	2.57	2.63	12.81	1.90	1.73	3.49	1.52	1.91
26	2.15	1.33	3.30	2.14	3.08	2.75	12.06	1.62	1.53	3.40	1.67	1.81
27	2.72	1.24	2.56	1.94	8.09	2.37	7.26	1.59	1.93	4.23	1.45	1.79
28	2.15	1.23	2.09	1.93	4.76	3.21	4.80	1.47	4.64	3.96	1.41	1.67
29	1.73	1.29	1.89	1.99	---	3.06	3.75	1.31	3.06	4.82	1.84	1.52
30	1.51	1.44	1.67	2.01	---	3.05	2.98	1.20	---	10.11	1.28	1.41
31	1.37	---	10.68	5.20	---	3.36	---	1.21	---	7.31	1.26	---
MAX	4.74	9.66	10.68	15.60	17.95	3.36	16.14	11.85	10.01	10.11	13.51	18.52
MIN	.99	1.21	1.12	1.93	1.86	1.23	2.35	1.20	.94	---	1.26	1.02

08012000 BAYOU NEZPIQUE NEAR BASILE, LA

LOCATION.--Lat 30°28'50", long 92°37'55", in NE1/4NW1/4 sec.1, T.7 S., R.3 W., Evangeline Parish, Hydrologic Unit 08080201, near left bank on U.S. Highway 190, 1,300 ft (400 m) downstream from Missouri Pacific Railroad bridge, and 2.0 mi (3.2 km) west of Basile.

DRAINAGE AREA.--527 mi^2 (1,365 km^2).

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1512: 1945-55.

GAGE.--Water-stage recorder. Datum of gage is 3.39 ft (1.033 m) National Geodetic Vertical Datum of 1929. Prior to July 1947, nonrecording gage at same site and datum. Water-stage recorder for Bayou Nezpique at Mamou pumping plant near Basile (station 08012020) used as auxiliary gage for this station. Mar. 27, 1945, to July 6, 1979, auxiliary nonrecording gage at same site and datum.

REMARKS.--Records good. Diversion for irrigation by Mamou pumping plant may affect stage-discharge relation. Records of water temperatures for the water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--44 years 808 ft^3/s (22.88 m^3/s) 20.82 in/yr (529 mm/yr), 585,400 acre-ft/yr (722 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,800 ft^3/s (1,010 m^3/s) May 20, 1953, gage height, 34.39 ft (10.482 m); minimum discharge, 0.1 ft^3/s (0.003 m^3/s) June 7-31, 1943, June 22-29, 1948; minimum gage height, 1.00 ft (0.305 m) June 28, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,030 ft^3/s (199 m^3/s) Feb. 18, gage height, 23.09 ft (7.038 m); minimum, 4.0 ft^3/s (0.113 m^3/s) Oct. 5, gage height, 1.31 ft (0.399 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	38	8.[illegible]	2110	385	302	181	2460	57	300	528	16
2	5.8	168	10	2830	487	277	187	2090	49	540	1330	12
3	5.8	397	12	2750	550	236	198	1670	43	390	2490	11
4	4.5	351	12	2290	732	183	219	800	40	240	2720	9.6
5	4.4	264	11	1800	616	157	194	247	39	170	2230	9.6
6	6.2	176	11	1440	431	138	152	161	31	143	1570	12
7	37	108	13	1150	295	122	136	150	24	122	785	12
8	84	68	14	862	204	131	127	143	26	116	362	11
9	77	182	13	594	200	245	119	129	28	122	288	8.1
10	43	590	12	365	736	249	142	101	26	126	373	6.4
11	47	600	9.8	227	1010	198	196	87	24	170	514	316
12	37	433	9.0	173	743	148	206	78	25	160	505	1980
13	24	268	9.0	710	486	117	152	133	30	127	1050	2940
14	16	149	13	1500	320	109	128	1550	54	132	940	3100
15	11	87	52	1450	528	93	122	2920	89	180	510	3300
16	11	55	121	1160	3340	85	117	2910	135	190	284	2930
17	24	39	86	848	6180	85	341	2190	379	210	183	2200
18	19	28	74	559	6980	79	1430	1390	705	220	167	1170
19	12	21	78	402	6460	80	1770	1090	548	190	151	360
20	9.3	16	64	284	5520	82	1100	708	380	155	157	225
21	7.5	13	48	218	4720	91	1060	462	352	222	101	148
22	7.3	11	50	188	4160	89	2370	345	950	351	61	98
23	11	8.8	85	159	3650	74	3560	215	860	328	41	75
24	17	8.3	106	187	3110	75	3770	140	720	300	30	60
25	21	7.7	129	209	2550	91	4000	107	490	248	25	52
26	27	7.1	127	186	1910	76	4230	113	260	236	21	43
27	96	6.1	111	150	1030	61	4020	196	140	462	18	35
28	228	5.4	91	116	484	71	3700	216	112	608	16	31
29	205	5.4	74	96	---	138	3320	156	113	487	15	31
30	113	7.3	59	89	---	186	2880	95	137	413	15	32
31	61	---	597	167	---	180	---	69	---	501	17	---
TOTAL	1279.7	4117.1	2109.1	25269	57817	4248	40127	23121	6866	8159	17497	19233.7
MEAN	41.3	137	68.0	815	2065	137	1338	746	229	263	564	641
MAX	228	600	597	2830	6980	302	4230	2920	950	608	2720	3300
MIN	4.4	5.4	8.3	89	200	61	117	69	24	116	15	6.4
CFSM	.08	.26	.13	1.55	3.92	.26	2.54	1.42	.44	.50	1.07	1.22
IN.	.09	.29	.15	1.78	4.08	.30	2.83	1.63	.48	.58	1.24	1.36
AC-FT	2540	8170	4180	50120	114700	8430	79590	45860	13620	16180	34710	38150

CAL YR 1981 TOTAL 126808.0 MEAN 347 MAX 3520 MIN 3.0 CFSM .66 IN 8.95 AC-FT 251500
WTR YR 1982 TOTAL 209843.6 MEAN 575 MAX 6980 MIN 4.4 CFSM 1.09 IN 14.81 AC-FT 416200

08012000 BAYOU NEZPIQUE NEAR BASILE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.36	2.56	1.54	15.96	7.87	9.16	5.22	18.77	3.04	6.78	9.29	1.84
2	1.41	4.87	1.63	17.80	8.97	7.28	5.30	17.91	2.86	9.87	13.25	1.71
3	1.41	8.04	1.72	18.10	9.53	5.99	5.46	16.76	2.70	8.06	16.99	1.64
4	1.34	7.49	1.71	17.57	10.66	5.24	5.76	13.74	2.62	6.12	17.86	1.60
5	1.33	6.38	1.66	16.55	9.99	4.97	5.40	9.50	2.58	5.08	17.36	1.60
6	1.43	5.14	1.65	15.42	8.39	4.59	4.80	6.38	2.36	4.67	15.90	1.71
7	2.43	4.08	1.73	14.09	6.79	4.33	4.57	4.88	2.15	4.34	12.86	1.71
8	3.71	3.29	1.77	12.58	5.54	4.46	4.41	4.68	2.22	4.23	9.34	1.64
9	3.50	5.05	1.74	10.70	5.47	6.13	4.28	4.44	2.26	4.33	7.01	1.53
10	2.86	9.78	1.68	7.83	10.51	6.19	4.65	3.97	2.19	4.39	7.69	1.44
11	2.90	9.90	1.61	5.87	12.06	5.45	5.43	3.71	2.15	5.20	9.24	5.72
12	2.52	8.41	1.57	5.10	10.92	4.74	5.57	3.52	2.18	5.01	8.91	15.56
13	2.14	6.41	1.57	10.05	8.96	4.25	4.79	4.28	2.34	4.41	12.18	18.08
14	1.87	4.75	1.74	14.02	7.10	4.11	4.43	14.43	2.95	4.49	12.01	18.98
15	1.66	3.69	2.81	14.09	8.21	3.82	4.33	18.01	3.74	5.32	9.33	19.03
16	1.67	3.00	4.32	13.27	18.43	3.66	4.25	18.58	4.53	5.39	6.63	18.44
17	2.12	2.56	3.67	11.85	21.91	3.66	7.07	17.69	7.70	5.70	5.24	17.34
18	1.96	2.26	3.43	9.96	23.00	3.54	13.68	15.83	10.52	5.92	5.02	14.87
19	1.71	2.05	3.52	8.07	22.88	3.55	15.17	14.27	9.48	5.40	4.79	10.65
20	1.57	1.86	3.22	6.64	22.39	3.60	13.31	12.13	7.83	4.92	4.88	7.01
21	1.50	1.72	2.83	5.74	21.83	3.78	12.68	9.83	7.43	5.79	3.95	4.75
22	1.49	1.62	2.87	5.31	21.31	3.75	16.72	7.52	11.94	7.49	3.13	3.91
23	1.65	1.56	3.66	4.91	20.73	3.44	19.15	5.70	12.34	7.20	2.63	3.45
24	1.91	1.54	4.07	5.31	20.00	3.45	20.00	4.62	11.12	6.85	2.33	3.11
25	2.04	1.51	4.45	5.61	19.07	3.79	20.65	4.08	9.05	6.17	2.17	2.93
26	2.19	1.48	4.42	5.28	17.73	3.48	21.08	4.18	6.44	5.99	2.04	2.69
27	3.68	1.43	4.14	4.77	15.18	3.14	21.00	5.43	4.81	8.68	1.94	2.46
28	5.88	1.39	3.78	4.23	11.94	3.36	20.68	5.72	4.16	9.95	1.87	2.37
29	5.55	1.39	3.43	3.88	---	4.58	20.20	4.85	4.19	8.96	1.80	2.35
30	4.16	1.49	3.10	3.75	---	5.29	19.54	3.85	4.58	8.22	1.83	2.39
31	3.14	---	8.64	4.99	---	5.21	---	3.32	---	9.11	1.91	---
MAX	5.88	9.90	8.64	18.10	23.00	9.16	21.08	18.77	12.34	9.95	17.86	19.03
MIN	1.33	1.39	1.54	3.75	5.47	3.14	4.25	3.32	2.15	4.23	1.80	1.44

08013000 CALCASIEU RIVER NEAR GLENMORA, LA

LOCATION.--Lat 30°59'45", long 92°40'25", in SE1/4SE1/4 sec.4, T.1 S., R.3W., Louisiana meridian, Rapides Parish, Hydrologic Unit 08080203, on right bank on downstream side of bridge on State Highway 113, 1.0 mi (1.6 km) upstream from Prairie Branch, and 4.6 mi (7.4 km) northwest of Glenmora.

DRAINAGE AREA.--499 mi^2 (1,292 km^2).

PERIOD OF RECORD.--August 1943 to current year.

REVISED RECORD.--WSP 1118: 1944-47.

GAGE.--Water-stage recorder. Datum of gage is 110.77 ft (33.763 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 19, 1949, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--39 years, 700 ft^3/s (19.82 m^3/s), 19.05 in/yr (484 mm/yr), 507,200 acre-ft/yr (625 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,900 ft^3/s (1,700 m^3/s) May 19, 1953, gage height, 21.55 ft (6.568 m); minimum, 15 ft^3/s (0.42 m^3/s) Sept. 27, 28, Oct. 7-9, 1954, Oct. 18, 1956; minimum gage height, 3.86 ft (1.177 m) Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 3,240 ft^3/s (91.8 m^3/s) Apr. 27, gage height, 13.73 ft (4.185 m), no peaks above base of 4,000 ft^3/s (113 m^3/s); minimum discharge, 20 ft^3/s (0.57 m^3/s) Oct. 1, 5, 6; minimum gage height, 4.26 ft (1.298 m) Sept. 9, 10, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	31	28	54	97	615	461	2050	50	124	66	26
2	23	31	29	57	145	702	724	1600	47	114	61	26
3	22	31	33	62	205	759	967	915	44	125	55	25
4	21	30	41	69	260	721	1180	479	42	159	85	25
5	20	32	50	72	234	566	1540	301	40	194	142	24
6	22	35	47	71	175	412	2040	218	38	165	123	24
7	26	32	42	67	143	314	2300	173	37	106	94	23
8	34	33	37	62	127	304	1870	145	35	78	83	23
9	42	34	35	61	148	310	1060	124	34	66	85	22
10	37	30	33	60	176	276	523	109	33	135	90	22
11	34	26	32	55	197	228	334	99	32	136	104	33
12	31	27	31	55	268	193	274	90	33	102	113	45
13	28	31	30	57	361	170	256	86	34	116	101	48
14	27	32	34	59	409	156	229	113	33	101	85	75
15	26	29	35	66	375	145	195	125	32	73	72	93
16	25	29	52	65	956	135	165	128	34	64	69	89
17	24	29	130	115	1510	126	234	163	50	108	64	71
18	26	28	176	136	1710	118	417	168	66	213	69	54
19	26	27	143	137	1780	111	506	153	48	163	65	43
20	24	27	96	129	1880	104	773	132	40	97	59	41
21	23	26	79	115	2020	97	1470	113	43	81	54	57
22	23	25	69	100	2130	90	1460	96	45	88	48	88
23	24	25	62	89	2060	85	1650	99	40	71	43	72
24	24	25	59	61	1520	84	2010	132	36	60	39	58
25	25	25	59	76	708	83	2400	119	33	53	39	49
26	27	25	58	71	377	82	2720	95	33	47	37	46
27	26	25	56	68	372	84	3140	79	34	44	34	42
28	28	26	53	65	517	94	3120	69	45	66	32	37
29	28	26	50	62	---	102	2740	63	56	92	30	33
30	30	27	47	60	---	106	2370	57	75	92	29	31
31	31	---	55	71	---	141	---	53	---	80	27	---
TOTAL	830	861	1783	2387	20860	7513	39148	8346	1242	3213	2097	1345
MEAN	26.8	28.7	57.5	77.0	745	242	1305	269	41.4	104	67.6	44.8
MAX	42	35	176	137	2130	759	3140	2050	75	213	142	93
MIN	20	25	28	54	97	82	165	53	32	44	27	22
CFSM	.05	.06	.12	.15	1.49	.49	2.62	.54	.08	.21	.14	.09
IN.	.06	.06	.13	.18	1.56	.56	2.92	.62	.09	.24	.16	.10
AC-FT	1650	1710	3540	4730	41380	14900	77650	16550	2460	6370	4160	2670

CAL YR 1981 TOTAL 107942 MEAN 296 MAX 7400 MIN 20 CFSM .59 IN 8.05 AC-FT 214100
WTR YR 1982 TOTAL 89625 MEAN 246 MAX 3140 MIN 20 CFSM .49 IN 6.68 AC-FT 177800

08013000 CALCSIEU RIVER NEAR GLENMORA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.31	4.57	4.51	5.12	6.05	10.61	9.66	12.98	5.01	6.51	5.28	4.36
2	4.35	4.59	4.54	5.20	6.81	10.93	10.98	12.53	4.94	6.34	5.17	4.35
3	4.32	4.58	4.62	5.31	7.56	11.10	11.59	11.43	4.89	6.52	5.03	4.33
4	4.30	4.56	4.81	5.46	8.11	10.99	11.98	9.80	4.84	7.01	5.68	4.33
5	4.29	4.61	5.02	5.53	7.86	10.35	12.46	8.46	4.79	7.45	6.73	4.31
6	4.33	4.66	4.96	5.51	7.22	9.36	12.97	7.69	4.75	7.05	6.43	4.30
7	4.46	4.61	4.84	5.41	6.79	8.58	13.18	7.19	4.71	6.13	5.91	4.29
8	4.62	4.62	4.75	5.31	6.56	8.49	12.81	6.82	4.68	5.57	5.66	4.28
9	4.79	4.65	4.68	5.27	6.85	8.54	11.72	6.51	4.65	5.28	5.72	4.27
10	4.67	4.57	4.62	5.25	7.23	8.25	10.06	6.27	4.62	6.60	5.81	4.26
11	4.61	4.51	4.59	5.14	7.47	7.80	8.74	6.09	4.60	6.63	6.10	4.52
12	4.54	4.49	4.57	5.13	8.17	7.43	8.23	5.93	4.64	6.04	6.25	4.81
13	4.48	4.58	4.55	5.18	8.97	7.16	8.08	5.83	4.65	6.30	6.03	4.86
14	4.45	4.60	4.64	5.23	9.35	6.97	7.81	6.33	4.62	6.04	5.70	5.50
15	4.44	4.54	4.66	5.39	9.08	6.81	7.45	6.52	4.61	5.44	5.44	5.89
16	4.42	4.53	5.07	5.83	11.34	6.67	7.09	6.57	4.66	5.24	5.35	5.79
17	4.39	4.53	6.58	6.36	12.43	6.54	7.80	7.06	5.02	6.08	5.29	5.41
18	4.43	4.50	7.23	6.69	12.66	6.42	9.40	7.12	5.40	7.65	5.35	5.01
19	4.44	4.49	6.78	6.70	12.73	6.30	10.01	6.92	4.98	7.01	5.26	4.76
20	4.40	---	6.06	6.59	12.83	6.18	11.00	6.63	4.79	5.96	5.12	4.69
21	4.38	---	5.70	6.37	12.96	6.06	12.38	6.34	4.85	5.63	5.02	5.08
22	4.37	---	5.47	6.10	13.05	5.93	12.40	6.04	4.92	5.78	4.88	5.77
23	4.41	4.44	5.31	5.91	12.99	5.82	12.60	6.08	4.79	5.41	4.74	5.43
24	4.41	4.43	5.23	5.74	12.42	5.79	12.95	6.63	4.69	5.14	4.67	5.09
25	4.45	4.43	5.23	5.62	10.81	5.77	13.25	6.42	4.63	4.98	4.66	4.88
26	4.49	4.43	5.22	5.52	9.09	5.77	13.45	6.02	4.62	4.85	4.61	4.83
27	4.47	4.45	5.17	5.44	9.05	5.81	13.68	5.69	4.65	4.76	4.54	4.72
28	4.50	4.46	5.10	5.37	10.08	6.00	13.67	5.47	4.90	5.27	4.49	4.61
29	4.51	4.47	5.03	5.29	---	6.16	13.47	5.32	5.15	5.86	4.45	4.52
30	4.56	4.50	4.96	5.25	---	6.22	13.23	5.20	5.58	5.86	4.41	4.47
31	4.58	---	5.14	5.52	---	6.72	---	5.10	---	5.60	4.39	---
MAX	4.79	4.66	7.23	6.70	13.05	11.10	13.68	12.98	5.58	7.65	6.73	5.89
MIN	4.29	4.43	4.51	5.12	6.05	5.77	7.09	5.10	4.60	4.76	4.39	4.26

08013500 CALCASIEU RIVER NEAR OBERLIN, LA

LOCATION.--Lat 30°38'25", long 92°48'50", in NW1/4NE/4 sec. 7, T.5 S., R.4 W., Allen Parish, Hydrologic Unit 08080203, near right bank on downstream side of bridge on State Highway 26, 3.0 mi (4.8 km) northwest of Oberlin, and 15 mi (24 km) upstream from Whisky Chitto Creek.

DRAINAGE AREA.--753 mi^2 (1,950 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1922 to January 1925, September 1938 to current year.

REVISED RECORDS.--WSP 1512: 1923, 1939(M).

GAGE.--Water-stage recorder. Datum of gage is 39.43 ft (12.018 m) National Geodetic Vertical Datum of 1929. Prior to February 1925 at datum about 2.5 ft (0.76 m) higher. September 1938 to Aug. 7, 1939, nonrecording gage at same site and present datum.

REMARKS.--Records good. Prior to November, 1981, paper mill at Elizabeth pumped about 11 ft^3/s (0.3 m^3/s) of water from wells which was discharged into Mill Creek 20 mi (32 km) upstream from station. Some small diversions from April to September for rice irrigation upstream from station. Records of dissolved oxygen and water temperatures for water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--46 years (water years 1923-24, 1939-82) 1,120 ft^3/s (31.72 m^3/s), 20.20 in/yr (513 mm/yr), 811,400 acre-ft/yr (1.00 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 72,800 ft^3/s (2,060 m^3/s) May 19, 1953, gage height, 26.53 ft (8.086 m); minimum, 30 ft^3/s (0.85 m^3/s) Sept. 28, 29, Oct. 17-19, 1956; minimum gage height, 1.33 ft (0.405 m) Sept. 9, 11, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of between 22 and 23 ft (6.7 and 7.0 m), present datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,600 ft^3/s (159 m^3/s) April 22, gage height, 15.26 ft (4.651 m), no peak above base of 8,000 ft^3/s (227 m^3/s); minimum discharge, 33 ft^3/s (0.93 m^3/s) Oct. 1; minimum gage height, 1.33 ft (0.405 m) Sept. 9, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	45	49	2140	439	884	188	2760	110	437	218	51
2	37	62	49	1090	410	723	192	2790	102	404	288	50
3	44	69	47	491	390	711	281	2680	96	256	357	49
4	39	60	45	347	527	735	449	2200	89	191	249	57
5	36	52	44	273	476	765	623	1740	84	164	160	55
6	35	47	45	221	398	809	747	1240	79	167	133	45
7	42	44	49	188	357	946	870	842	75	183	235	42
8	88	45	55	166	309	905	1020	618	71	187	295	40
9	80	115	55	155	335	681	1220	480	67	166	243	39
10	63	177	53	146	483	526	1410	376	64	141	193	40
11	57	132	51	134	480	466	1430	308	61	115	157	78
12	58	93	49	136	398	429	1140	263	76	127	173	325
13	56	72	48	325	336	387	735	244	89	148	225	275
14	54	59	59	576	313	348	493	770	90	152	258	185
15	51	53	90	557	538	318	403	1130	79	143	223	158
16	48	50	76	458	2700	292	352	843	69	141	164	120
17	46	48	65	353	3600	270	549	481	94	124	132	100
18	46	46	66	274	3520	252	1160	352	272	117	134	92
19	44	44	83	237	2930	237	1240	316	170	229	149	68
20	44	43	119	231	2250	224	1070	297	124	331	129	69
21	43	43	139	227	1750	210	1920	269	432	254	117	74
22	43	42	149	218	1510	193	5110	240	701	227	103	82
23	49	42	147	198	1470	180	5170	212	733	156	92	350
24	44	41	132	183	1510	173	4510	189	561	148	84	280
25	70	41	110	174	1580	167	4340	175	288	213	76	215
26	158	40	98	157	1610	162	3890	196	178	212	68	165
27	105	40	90	144	1530	158	3230	196	147	255	65	125
28	66	40	86	134	1250	163	2710	176	136	378	62	95
29	52	42	79	127	---	213	2540	151	123	212	59	74
30	46	46	76	122	---	214	2630	134	131	235	59	54
31	44	---	1160	178	---	201	---	121	---	265	55	---
TOTAL	1723	1773	3464	10360	33399	12942	51622	22789	5391	6478	4955	3452
MEAN	55.6	59.1	112	334	1193	417	1721	735	180	209	160	115
MAX	158	177	1160	2140	3600	946	5170	2790	733	437	357	350
MIN	35	40	44	122	309	158	188	121	61	115	55	39
CFSM	.07	.08	.15	.44	1.58	.55	2.29	.98	.24	.28	.21	.15
IN.	.09	.09	.17	.51	1.65	.64	2.55	1.13	.27	.32	.24	.17
AC-FT	3420	3520	6870	20550	66250	25670	102400	45200	10690	12850	9830	6850

CAL YR 1981 TOTAL 152782 MEAN 419 MAX 7460 MIN 34 CFSM .56 IN 7.55 AC-FT 303000
WTR YR 1982 TOTAL 158348 MEAN 434 MAX 5170 MIN 35 CFSM .58 IN 7.82 AC-FT 314100

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.39	1.52	1.57	9.98	4.09	6.06	2.67	11.29	2.21	4.08	2.86	1.47
2	1.41	1.73	1.57	6.80	3.94	5.40	2.69	11.36	2.14	3.91	3.28	1.46
3	1.52	1.81	1.55	4.34	3.84	5.35	3.24	11.14	2.08	3.10	3.67	1.45
4	1.44	1.71	1.52	3.62	4.52	5.45	4.14	10.13	2.02	2.69	3.06	1.53
5	1.40	1.61	1.51	3.21	4.27	5.58	4.97	8.98	1.97	2.50	2.47	1.51
6	1.39	1.55	1.53	2.89	3.88	5.76	5.50	7.43	1.93	2.52	2.25	1.40
7	1.48	1.51	1.58	2.67	3.67	6.30	6.00	5.89	1.88	2.63	2.96	1.37
8	2.01	1.52	1.65	2.51	3.41	6.14	6.61	4.95	1.85	2.66	3.33	1.35
9	1.93	2.25	1.65	2.44	3.55	5.22	7.36	4.33	1.81	2.51	3.03	1.34
10	1.75	2.80	1.63	2.36	4.31	4.52	8.04	3.84	1.78	2.32	2.70	1.34
11	1.67	2.42	1.60	2.26	4.29	4.23	8.11	3.49	1.75	2.09	2.45	1.72
12	1.68	2.06	1.58	2.28	3.88	4.04	7.04	3.25	1.90	2.19	2.55	3.49
13	1.66	1.84	1.56	3.47	3.56	3.83	5.44	3.15	2.03	2.38	2.91	3.20
14	1.63	1.70	1.69	4.75	3.43	3.62	4.36	5.55	2.03	2.41	3.12	2.65
15	1.60	1.62	2.02	4.66	4.45	3.46	3.91	6.99	1.92	2.34	2.90	2.45
16	1.57	1.58	1.88	4.19	11.11	3.31	3.64	5.88	1.82	2.32	2.50	---
17	1.54	1.57	1.77	3.64	12.79	3.19	4.56	4.33	2.04	2.17	2.24	---
18	1.54	1.54	1.77	3.21	12.66	3.08	7.11	3.72	3.30	2.11	2.26	---
19	1.52	1.51	1.95	2.99	11.52	2.99	7.44	3.54	2.68	2.86	2.39	---
20	1.51	1.50	2.31	2.96	10.24	2.91	6.77	3.44	2.33	3.53	2.22	---
21	1.50	1.50	2.49	2.93	9.01	2.82	9.17	3.29	4.04	3.09	2.11	---
22	1.50	1.49	2.57	2.87	8.35	2.70	14.74	3.12	5.31	2.92	1.98	---
23	1.58	1.48	2.55	2.73	8.23	2.61	14.83	2.95	5.44	2.44	1.87	---
24	1.51	1.47	2.43	2.63	8.36	2.56	14.13	2.80	4.67	2.38	1.79	---
25	1.80	1.47	2.23	2.57	8.55	2.52	13.92	2.71	3.28	2.84	1.71	---
26	2.65	1.46	2.11	2.45	8.63	2.49	13.24	2.85	2.60	2.83	1.64	---
27	2.17	1.46	2.02	2.35	8.40	2.45	12.17	2.85	2.37	3.06	1.61	---
28	1.77	1.46	1.98	2.26	7.46	2.49	11.20	2.72	2.27	3.78	1.58	---
29	1.62	1.48	1.91	2.19	---	2.84	10.85	2.55	2.16	2.82	1.55	---
30	1.53	1.54	1.88	2.16	---	2.84	11.04	2.42	2.21	2.97	1.55	---
31	1.51	---	6.78	2.57	---	2.75	---	2.30	---	3.16	1.51	---
MAX	2.65	2.80	6.78	9.98	12.79	6.30	14.83	11.36	5.44	4.08	3.67	---
MIN	1.39	1.46	1.51	2.16	3.41	2.45	2.67	2.30	1.75	2.09	1.51	1.34

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1949, 1966-70, 1976 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1975 to June 1977.
pH: October 1975 to June 1977.
WATER TEMPERATURES: October 1975 to June 1977.
DISSOLVED OXYGEN: October 1975 to June 1977.

INSTRUMENTATION.--Water-quality monitor October 1975 to June 1977.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 380 micromhos Sept. 29, 1976; minimum, 16 micromhos Mar. 9, 1977.
pH: Maximum, 7.6 units May 12, 1977; minimum, 5.0 units Mar. 9, 10, 1977.
WATER TEMPERATURES: Maximum, 30.5°C July 31, Aug. 1, 1976; minimum, 4.0°C Jan. 19-21, 1977.
DISSOLVED OXYGEN: Maximum, 12.8 mg/L Nov. 29, 1975; minimum, 3.7 mg/L May 9, 1977.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
OCT								
19...	1515	247	6.8	21.0	80	9.0	7.5	--
JAN								
04...	1055	52	5.4	14.0	70	4.0	8.2	1.0
APR								
05...	1100	43	5.9	20.0	100	20	7.9	--
JUL								
06...	1005	57	6.1	28.0	60	15	7.0	1.6

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
OCT									
19...	K30	110	23	6.9	1.5	44	2.3	58	41
JAN									
04...	660	840	11	3.0	.9	4.0	1.6	5	7.0
APR									
05...	150	1400	11	3.1	.9	4.3	1.4	7	5.0
JUL									
06...	K20	100	13	3.6	1.0	5.2	1.3	14	4.0

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT								
19...	8.4	<.1	28	182	167	.16	.64	.11
JAN								
04...	6.7	<.1	10	62	38	.30	.71	.04
APR								
05...	4.3	<.1	9.6	48	33	.10	.58	.06
JUL								
06...	5.9	<.1	14	56	42	.20	.90	.09

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

08013500 CALCASIEU RIVER NEAR OBERLIN, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT											
19...	1	<1	3	<1	3	<1	3	<1	710	320	5

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
OCT											
19...	<10	120	29	.2	<.01	14	3	9.2	<.01	<1	<.1

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
19...	<1	<.1	<1	.02	<.1	<.1	9	<.01	<.1	<.01	<.1

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
19...	<.01	<.1	.05	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
19...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
19...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
19...	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.01	<.01	<.01

< Actual value is known to be less than the value shown.

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA

LOCATION.--Lat 30°41'55", long 92°53'35", in NE1/4NE1/4 sec.20, T.4 S., R.5 W., Allen Parish, Hydrologic Unit 08080204, near left bank on downstream side of bridge on State Highway 26, 1.0 mi (1.6 km) downstream from Tenmile Creek, 8.0 mi (12.9 km) upstream from Bundick Creek, and 10 mi (16 km) northwest of Oberlin.

DRAINAGE AREA.--510 mi^2 (1,321 km^2).

PERIOD OF RECORD.--January 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 46.24 ft (14.094 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 19, 1944, nonrecording gage at same site and datum.

REMARKS.--Records good except those for periods of no gage-height record, which are fair. Records of dissolved oxygen and water temperatures for water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--43 years, 792 ft^3/s (22.43 m^3/s), 21.09 in/yr (536 mm/yr), 573,800 acre-ft/yr (707 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 144,000 ft^3/s (4,080 m^3/s) May 18, 1953, gage height, 32.8 ft (10.00 m), from floodmark from rating curve extended above 35,000 ft^3/s (990 m^3/s) on basis of slope-area measurement of peak flow; minimum, 88 ft^3/s (2.49 m^3/s) Oct. 19, 20, 1956; minimum gage height, 2.41 ft (0.735 m) Sept. 9, 10, 11, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of 25.7 ft (7.83 m), from floodmarks preserved by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,000 ft^3/s (85 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Feb. 17	1900	*3100	88	*11.80	3.597

Minimum discharge, 126 ft^3/s (3.568 m^3/s) Sept. 9, 10, 11, gage height, 2.41 ft (0.735 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	144	173	164	538	511	846	276	581	190	292	598	144
2	152	182	162	400	552	620	273	1250	186	268	654	140
3	169	168	186	361	523	475	369	806	182	236	442	140
4	149	223	201	290	415	409	316	575	178	216	471	138
5	150	256	183	252	341	369	292	432	174	190	344	135
6	161	228	171	238	303	349	280	369	171	175	258	133
7	376	210	164	238	275	341	253	348	168	164	377	131
8	264	220	159	224	264	331	228	328	164	158	950	130
9	195	305	154	210	330	406	212	292	159	155	881	128
10	189	480	152	201	389	375	206	273	157	176	563	127
11	199	450	152	195	463	326	201	259	155	234	380	144
12	172	390	154	199	441	301	211	247	157	213	297	199
13	163	300	172	273	348	287	249	245	158	195	715	293
14	161	248	166	361	296	278	235	559	155	175	671	468
15	156	195	160	447	305	271	216	553	153	157	399	344
16	152	168	178	429	1800	265	203	525	167	151	299	234
17	151	158	224	356	2980	257	323	443	201	153	313	193
18	151	154	196	321	2880	250	1270	335	248	195	468	173
19	147	150	325	297	2680	244	1520	287	228	208	346	160
20	145	148	300	268	2300	237	1460	261	246	198	267	161
21	143	146	330	248	1390	231	2590	244	422	169	219	294
22	147	146	395	237	709	221	2880	264	371	166	196	750
23	146	146	406	230	531	217	2670	274	377	161	182	656
24	142	145	410	222	456	216	2340	245	246	151	172	362
25	159	145	360	216	402	213	2110	231	208	154	164	253
26	171	145	320	210	378	221	1590	236	193	148	158	209
27	174	145	245	206	409	259	1400	230	240	235	154	187
28	161	147	179	201	586	261	996	229	408	313	149	174
29	153	153	173	196	---	262	639	214	320	335	146	164
30	157	161	171	195	---	312	497	202	254	411	143	157
31	157	---	579	313	---	313	---	195	---	295	144	---
TOTAL	5256	6285	7291	8572	23257	9963	26305	11532	6636	6447	11520	6921
MEAN	170	210	235	277	831	321	877	372	221	208	372	231
MAX	376	480	579	538	2980	846	2880	1250	422	411	950	750
MIN	142	145	152	195	264	213	201	195	153	148	143	127
CFSM	.33	.41	.46	.54	1.63	.63	1.72	.73	.43	.41	.73	.45
IN.	.38	.46	.53	.63	1.70	.73	1.92	.84	.48	.47	.84	.50
AC-FT	10430	12470	14460	17000	46130	19760	52180	22870	13160	12790	22850	13730

CAL YR 1981 TOTAL 144721 MEAN 396 MAX 9160 MIN 133 CFSM .78 IN 10.56 AC-FT 287100
WTR YR 1982 TOTAL 129985 MEAN 356 MAX 2980 MIN 127 CFSM .70 IN 9.48 AC-FT 257800

NOTE.--No gage-height record Nov. 7-16, Dec. 13-15, and Dec. 19-27.

CALCASIEU RIVER BASIN

08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.54	2.74	2.68	4.48	4.37	5.60	3.33	4.63	2.85	3.42	4.71	2.54
2	2.59	2.80	2.67	3.92	4.54	4.80	3.31	6.86	2.83	3.29	4.93	2.51
3	2.72	2.71	2.83	3.74	4.42	4.23	3.78	5.46	2.80	3.12	4.10	2.51
4	2.58	3.05	2.92	3.41	3.98	3.96	3.54	4.63	2.77	3.02	4.22	2.49
5	2.58	3.23	2.81	3.20	3.65	3.78	3.42	4.06	2.75	2.86	3.66	2.47
6	2.66	3.08	2.72	3.13	3.47	3.69	3.35	3.78	2.73	2.75	3.24	2.45
7	3.79	---	2.68	3.13	3.33	3.65	3.21	3.68	2.71	2.68	3.77	2.44
8	3.27	---	2.64	3.06	3.27	3.61	3.08	3.60	2.68	2.64	5.94	2.43
9	2.88	---	2.62	2.98	3.60	3.94	2.99	3.42	2.65	2.62	5.71	2.42
10	2.85	---	2.60	2.92	3.87	3.80	2.95	3.32	2.63	2.75	4.58	2.41
11	2.91	---	2.60	2.88	4.18	3.58	2.92	3.24	2.62	3.11	3.83	2.53
12	2.74	---	2.61	2.91	4.09	3.47	2.98	3.18	2.63	3.00	3.44	2.91
13	2.67	---	---	3.31	3.69	3.39	3.19	3.17	2.64	2.89	5.12	3.41
14	2.66	---	---	3.74	3.44	3.34	3.12	4.54	2.62	2.75	4.98	4.20
15	2.63	---	---	4.12	3.47	3.31	3.01	4.54	2.61	2.63	3.91	3.66
16	2.60	---	2.77	4.04	8.38	3.27	2.94	4.43	2.70	2.60	3.45	3.11
17	2.59	2.64	3.05	3.72	11.54	3.23	3.50	4.10	2.92	2.60	3.50	2.87
18	2.59	2.61	2.89	3.56	11.32	3.20	6.92	3.63	3.19	2.89	4.20	2.74
19	2.56	2.59	---	3.44	10.85	3.16	7.69	3.39	3.08	2.97	3.68	2.66
20	2.54	2.57	---	3.29	9.84	3.13	7.50	3.25	3.17	2.90	3.28	2.66
21	2.53	2.55	---	3.18	7.28	3.09	10.61	3.16	4.01	2.71	3.03	3.43
22	2.56	2.55	---	3.12	5.12	3.04	11.33	3.27	3.79	2.69	2.89	5.27
23	2.55	2.55	---	3.09	4.46	3.02	10.82	3.32	3.81	2.66	2.80	4.93
24	2.52	2.54	---	3.05	4.15	3.02	9.95	3.17	3.18	2.59	2.73	3.74
25	2.65	2.55	---	3.01	3.93	3.00	9.35	3.10	2.97	2.61	2.68	3.21
26	2.73	2.55	---	2.98	3.82	3.04	7.89	3.12	2.87	2.57	2.64	2.97
27	2.74	2.55	---	2.96	3.96	3.24	7.33	3.09	3.12	3.10	2.61	2.84
28	2.66	2.56	2.78	2.92	4.66	3.25	6.08	3.08	3.95	3.52	2.58	2.75
29	2.61	2.61	2.74	2.89	---	3.26	4.87	3.00	3.56	3.63	2.55	2.68
30	2.63	2.66	2.73	2.88	---	3.52	4.32	2.93	3.22	3.97	2.53	2.63
31	2.63	---	4.62	3.50	---	3.52	---	2.88	---	3.43	2.54	---
MAX	3.79	---	4.62	4.48	11.54	5.60	11.33	6.86	4.01	3.97	5.94	5.27
MIN	2.52	2.54	2.60	2.88	3.27	3.00	2.92	2.88	2.61	2.57	2.53	2.41

08015500 CALCASIEU RIVER NEAR KINDER, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°30'10", long 92°54'55", in NW1/4SE1/4 sec.30, T.6 S., R.5 W., Allen Parish, Hydrologic Unit 08080203, near center of span on downstream side of bridge on U.S. Highway 190, 0.5 mi (0.8 km) downstream from Whisky Chitto Creek, and 4.0 mi (6.4 km) west of Kinder.

DRAINAGE AREA.--1,700 mi^2 (4,403 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1922 to January 1925, October 1938 to September 1957, October 1961 to current year. October 1957 to September 1961 (annual maximums) from National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 11.95 ft (3.642 m) National Geodetic Vertical Datum of 1929. August 1922 to January 1925, water-stage recorder 400 ft (122 m) downstream at datum 1.77 ft (0.539 m) higher. October 1938 to July 9, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good. Prior to November, 1981, paper mill at Elizabeth pumped about 11 ft^3/s (0.31 m^3/s) from wells which was later discharged into Mill Creek 36 mi (58 km) above station. Water is diverted during period April to September at points just above station and 5.0 mi (8.0 km) above station for the irrigation of about 7,500 acres (30 km^2) of rice, part of which is below station. The maximum rate of withdrawal is about 100 ft^3/s (2.8 m^3/s) and this diversion results in marked regulation of the low-water flow. Records of water temperatures for water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--42 years (water years 1923-24, 1939-57, 1962-82), 2,510 ft^3/s (71.08 m^3/s), 1,818,000 acre-ft/yr (2.24 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 182,000 ft^3/s (5,150 m^3/s) May 19, 1953, gage height, 32.00 ft (9.754 m); minimum, 136 ft^3/s (3.85 m^3/s) Aug. 15, 1956; minimum gage height, 1.41 ft (0.430 m) Oct. 1, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,800 ft^3/s (306 m^3/s) April 24, 25, gage height, 15.76 ft (4.804 m); minimum, 217 ft^3/s (6.15 m^3/s) Sept. 10; minimum gage height, 1.41 ft (0.430 m) Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	242	311	357	4370	1250	2270	814	3700	566	1170	1070	284
2	276	374	354	3240	1440	2030	763	3890	538	1180	1520	290
3	281	384	334	2110	1430	1750	777	4130	509	931	1550	281
4	291	360	349	1320	1510	1600	930	3720	472	774	1110	270
5	260	349	356	1020	1340	1510	1030	3110	451	660	918	258
6	274	338	331	852	1110	1480	1180	2450	444	590	695	250
7	533	310	308	770	980	1570	1270	1920	437	558	709	247
8	601	299	301	730	884	1690	1370	1570	417	542	1250	253
9	464	505	298	649	949	1540	1510	1280	403	523	1690	239
10	398	730	295	589	1290	1360	1730	1050	389	493	1560	228
11	388	685	290	545	1300	1190	1900	906	383	499	1190	317
12	376	609	284	590	1200	1090	1870	819	376	508	904	569
13	364	535	280	966	1180	1010	1510	858	410	562	941	976
14	327	448	322	1380	900	939	1130	2560	460	657	1360	1020
15	309	389	373	1550	960	881	937	3310	445	609	1130	950
16	299	353	408	1480	4200	823	829	2580	453	575	843	704
17	291	329	428	1270	8400	767	1100	1880	633	549	688	559
18	291	313	505	1050	9430	722	2090	1780	787	528	779	482
19	282	300	479	917	8460	686	3030	1330	804	545	848	431
20	275	286	454	834	7300	663	3170	1070	752	747	718	620
21	263	292	514	769	4500	648	3630	927	1070	708	580	535
22	260	277	560	726	3500	620	7000	849	1470	628	511	779
23	281	266	567	693	3020	600	9820	940	1480	592	454	1130
24	274	261	566	661	2570	595	10700	928	1300	538	404	967
25	306	257	540	614	2430	563	10400	816	936	537	370	693
26	548	264	496	568	2410	551	9480	1110	757	644	345	547
27	611	261	451	524	2470	593	7350	1160	709	667	326	456
28	444	265	419	494	2430	685	5660	856	792	832	299	398
29	374	288	390	482	---	700	4780	730	801	955	294	363
30	351	324	376	485	---	754	3920	669	787	1170	285	340
31	322	---	1870	642	---	818	---	603	---	1010	279	---
TOTAL	10456	10962	13855	32890	78843	32688	101680	53501	20231	21481	25620	15436
MEAN	350	365	447	1061	2816	1054	3389	1726	674	693	826	515
MAX	611	730	1870	4370	9430	2270	10700	4130	1480	1180	1690	1130
MIN	242	257	280	482	884	551	763	603	376	493	279	228
AC-FT	21530	21740	27480	65240	156400	64840	201700	106100	40130	42610	50820	30620

CAL YR 1981 TOTAL 377990 MEAN 1036 MAX 12800 MIN 193 AC-FT 749700
WTR YR 1982 TOTAL 418043 MEAN 1145 MAX 10700 MIN 228 AC-FT 829200

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.44	1.68	1.84	11.13	4.63	7.43	3.32	10.39	2.53	4.39	4.12	1.85
2	1.56	1.91	1.83	10.08	5.18	6.78	3.16	10.68	2.44	4.42	5.40	1.87
3	1.58	1.94	1.76	6.97	5.14	6.02	3.20	11.04	2.34	3.68	5.47	1.84
4	1.61	1.85	1.81	4.84	5.36	5.61	3.68	10.42	2.22	3.20	4.30	1.80
5	1.50	1.81	1.84	3.97	4.88	5.38	4.00	9.33	2.15	2.83	3.78	1.75
6	1.55	1.78	1.75	3.44	4.24	5.29	4.42	7.89	2.13	2.60	3.15	1.72
7	2.42	1.68	1.67	3.18	3.84	5.53	4.70	6.50	2.11	2.50	3.19	1.71
8	2.64	1.64	1.65	3.06	3.54	5.86	4.98	5.53	2.05	2.45	4.69	1.73
9	2.20	2.33	1.64	2.80	3.74	5.44	5.37	4.73	2.00	2.38	5.87	1.68
10	1.99	3.06	1.63	2.60	4.75	4.94	5.98	4.06	1.96	2.29	5.52	1.64
11	1.96	2.92	1.61	2.46	4.78	4.45	6.44	3.60	1.94	2.31	4.52	1.96
12	1.91	2.66	1.59	2.60	---	4.16	6.34	3.33	1.91	2.34	3.74	2.77
13	1.87	2.42	1.57	3.79	---	3.92	5.36	3.45	2.02	2.51	3.84	3.94
14	1.74	2.15	1.72	5.01	---	3.71	4.30	8.08	2.18	2.82	4.97	4.07
15	1.67	1.96	1.90	5.47	---	3.53	3.70	9.72	2.14	2.67	4.37	3.86
16	1.64	1.83	2.02	5.30	---	3.35	3.37	8.19	2.16	2.56	3.57	3.16
17	1.61	1.74	2.08	4.70	---	3.17	4.19	6.38	2.75	2.47	3.14	2.74
18	1.61	1.68	2.33	4.06	15.28	3.04	6.94	6.11	3.24	2.40	3.39	2.48
19	1.58	1.64	2.24	3.64	14.88	2.92	9.16	4.85	3.29	2.46	3.59	2.32
20	1.56	1.59	2.17	3.38	---	2.84	9.45	4.10	3.13	3.11	3.21	2.91
21	1.51	1.62	2.36	3.18	---	2.79	9.83	3.67	4.09	2.99	2.82	2.64
22	1.50	1.55	2.51	3.05	---	2.70	13.21	3.43	5.26	2.73	2.61	3.36
23	1.58	1.52	2.53	2.94	9.14	2.64	15.26	3.71	5.28	2.61	2.42	4.35
24	1.55	1.50	2.53	2.83	8.19	2.59	15.71	3.67	4.79	2.43	2.27	3.90
25	1.66	1.49	2.44	2.68	7.86	2.52	15.62	3.32	3.70	2.43	2.15	3.11
26	2.47	1.51	2.30	2.53	7.83	2.48	15.29	4.21	3.14	2.78	2.06	2.67
27	2.67	1.50	2.15	2.39	7.98	2.61	14.51	4.37	2.99	2.86	1.99	2.38
28	2.14	1.52	2.06	2.29	7.86	2.92	13.30	3.44	3.25	3.37	1.90	2.19
29	1.91	1.60	1.96	2.25	---	2.97	11.90	3.06	3.28	3.76	1.88	2.07
30	1.82	1.73	1.91	2.26	---	3.13	10.72	2.86	3.24	4.40	1.85	1.98
31	1.72	---	6.13	2.77	---	3.33	---	2.64	---	3.93	1.83	---
MAX	2.67	3.06	6.13	11.13	---	7.43	15.71	11.04	5.28	4.42	5.87	4.35
MIN	1.44	1.49	1.57	2.25	3.54	2.48	3.16	2.64	1.91	2.29	1.83	1.64

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1966-69, 1973-75, 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1979 to September 1982 (discontinued).
WATER TEMPERATURES: June 1979 to September 1982 (discontinued).

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 139 micromhos June 24, 1979; minimum daily, 13 micromhos Sept. 21, 1979.
WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 26, 1981; minimum daily, 6.0°C Jan. 12, 1981.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 108 micromhos Mar. 28; minimum daily, 26 micromhos Feb. 16.
WATER TEMPERATURES: Maximum daily, 32.0°C Aug. 3, 27; minimum daily, 9.0°C Jan. 9, 14, Feb. 7.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 19...	1400	281	77	6.4	21.0	30	14	7.4	--	K32
DEC 16...	1200	411	65	6.1	12.5	15	3.1	13.4	.7	K340
FEB 18...	1100	9470	32	5.2	15.5	80	30	8.1	1.7	K1400
APR 05...	1015	1040	56	6.1	20.5	100	46	8.5	--	100
JUN 07...	1300	440	63	6.4	28.5	30	5.0	7.5	1.0	K100
AUG 05...	0830	984	43	6.0	27.5	80	30	6.6	--	K70

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
OCT 19...	270	14	3.6	1.2	12	1.9	22	5.6	6.8	<.1
DEC 16...	1200	12	3.1	1.0	8.5	1.6	15	3.7	7.3	<.1
FEB 18...	5800	7	1.8	.7	2.6	1.4	3	3.9	3.3	<.1
APR 05...	400	13	3.3	1.1	6.7	1.3	11	5.0	7.1	<.1
JUN 07...	180	13	3.2	1.1	6.7	1.4	16	2.0	6.1	<.1
AUG 05...	--	13	3.2	1.1	5.1	1.3	11	3.0	4.8	<.1

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT 19...	24	72	68	.11	.09	.60	.07	.05	.04
DEC 16...	22	62	56	.10	.05	.91	.95	.12	.12
FEB 18...	4.5	48	20	.13	.04	.79	.05	--	.02
APR 05...	17	62	48	.14	.10	.69	.09	.03	.03
JUN 07...	27	66	58	.12	.10	.30	.07	.05	.04
AUG 05...	12	44	38	<.10	.03	1.4	.08	.02	.01

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT 19...	1	1	100	30	<1	<1	<10	10	1	<1
DEC 16...	1	0	100	23	<1	1	20	10	1	<1
APR 05...	1	1	100	31	1	1	20	10	1	<1
JUN 07...	2	1	200	37	<1	<1	10	<10	3	1

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT 19...	10	3	560	220	6	2	50	31	.1
DEC 16...	6	4	440	100	2	<1	30	13	.2
APR 05...	4	3	1600	380	4	2	100	44	.2
JUN 07...	6	4	820	320	4	2	100	78	.1

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 19...	<.1	2	<1	<1	<1	<1	<1	100	9
DEC 16...	.9	1	1	<1	<1	<1	12	50	12
APR 05...	.2	3	3	<1	<1	<1	<1	10	13
JUN 07...	.1	5	1	<1	<1	<1	<1	30	10

DATE	PCR, TOTAL (UG/L)	PCR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 19...	--	1	--	<1	--	<.1	--	<1	--	<.1	--	<.1
FEB 18...	<.1	--	<.1	--	.00	--	<.1	--	<.01	--	<.01	--
APR 05...	<.1	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.1

< Actual value is known to be less than the value shown.

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)
OCT 19...	--	<.1	--	--	<.1	--	<.1	--	<.1	--	--
FEB 18...	<.01	--	.01	<.01	--	<.01	--	<.01	--	<.01	<.01
APR 05...	<.01	<.1	.14	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01

DATE	HEPTA-CHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
OCT 19...	<.1	--	<.1	--	<.1	--	--	<.1	--	--	--
FEB 18...	--	<.01	--	<.01	--	<.01	<.01	--	<.01	<.01	<.01
APR 05...	<.1	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01	<.01

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	PER-THANE IN BOTTOM MATERIL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 19...	<.1	--	--	<.1	--	<1	--	--	--	--	--
FEB 18...	--	<.01	<.01	--	<.1	--	<.01	<.01	<.01	<.01	<.01
APR 05...	<.1	<.01	<.1	<1	<1	<10	<.01	<.01	<.01	<.01	<.01

DATE	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 19...	69	52	78
DEC 16...	16	18	92
FEB 18...	52	1330	84
APR 05...	101	284	81
JUN 07...	44	52	60
AUG 05...	56	149	97

< Actual value is known to be less than the value shown.

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS)
OCT		
07...	0715	40
14...	0730	30
19...	1400	30
21...	0730	20
28...	0715	30
NOV		
04...	0730	40
11...	0730	20
18...	0725	20
25...	0730	20
DEC		
02...	1400	20
09...	1400	20
16...	1200	15
16...	1400	20
23...	1400	20
30...	1600	30
JAN		
06...	1600	30
13...	1600	30
20...	0730	30
27...	1600	30
FEB		
03...	1600	30
10...	0700	30
17...	1600	40
18...	1100	80
24...	1900	20
MAR		
03...	0700	20
10...	0730	30
17...	1600	30
24...	1600	10
31...	1600	10
APR		
05...	1015	100
07...	1600	10
14...	1430	40
21...	0700	40
28...	0700	80
MAY		
05...	1900	50
12...	0700	40
19...	1600	20
26...	1600	30
JUN		
02...	0700	40
07...	1300	30
09...	1600	15
16...	1600	10
23...	1930	10
30...	1600	15
JUL		
07...	1600	10
14...	1600	30
21...	1600	40
28...	1600	30
AUG		
04...	1600	30
05...	0830	80
11...	1600	30
18...	1600	30
25...	1600	30
SEP		
02...	1600	30
09...	1600	30
16...	1600	30
23...	1600	30
30...	1600	30

08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	79	60	32	72	30	66	33	51	65	75	62
2	46	80	60	32	74	31	70	33	48	64	71	62
3	48	81	62	33	75	30	69	33	49	64	72	62
4	46	81	60	33	74	49	69	33	50	63	72	63
5	46	82	67	35	74	48	69	34	49	63	72	62
6	46	81	65	33	74	49	68	34	59	64	71	63
7	46	81	64	33	75	49	66	34	60	64	71	63
8	46	---	64	32	73	49	66	33	60	64	71	64
9	47	68	64	32	74	49	50	33	60	64	70	64
10	46	69	64	55	77	50	51	35	60	64	71	63
11	47	72	67	56	74	52	51	34	60	67	71	63
12	70	68	65	57	74	54	50	34	60	67	71	63
13	70	68	60	57	73	50	51	35	60	69	71	62
14	69	69	61	57	74	50	50	34	62	69	71	63
15	69	70	62	---	74	52	54	49	64	68	71	64
16	69	70	61	---	26	51	53	48	65	70	58	64
17	70	67	62	57	38	51	52	48	65	67	58	66
18	71	73	61	57	31	54	52	48	65	68	58	68
19	71	66	61	57	31	50	51	48	66	68	58	68
20	70	69	63	59	31	50	50	48	66	68	58	69
21	71	70	63	60	30	64	50	54	66	68	58	65
22	71	69	64	58	31	64	51	53	67	68	57	67
23	71	69	63	58	33	70	51	52	64	68	59	68
24	71	70	65	57	31	68	51	34	63	69	58	68
25	77	65	62	57	32	65	58	50	63	68	58	63
26	78	65	64	58	32	67	48	50	63	68	58	65
27	80	66	65	58	31	71	49	52	63	70	58	65
28	80	68	31	58	32	108	47	50	63	70	59	65
29	80	69	31	57	---	67	47	34	63	69	59	65
30	79	79	31	75	---	68	47	51	63	70	58	64
31	79	---	32	34	---	68	---	33	---	69	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	13.0	20.0	11.0	11.0	20.0	20.0	19.0	20.0	19.0	29.0	22.0
2	19.0	14.0	19.0	15.0	12.0	19.0	18.0	---	19.0	20.0	31.0	26.0
3	15.0	20.0	16.0	20.0	13.0	20.0	19.0	---	19.0	22.0	32.0	24.0
4	20.0	15.0	15.0	21.0	10.0	15.0	15.0	---	21.0	19.0	29.0	23.0
5	21.0	15.0	14.0	12.0	10.0	16.0	10.0	20.0	20.0	24.0	26.0	19.0
6	20.0	15.0	15.0	14.0	12.0	15.0	12.0	16.0	19.0	25.0	---	26.0
7	20.0	20.0	19.0	12.0	9.0	11.0	12.0	18.0	20.0	29.0	30.0	16.0
8	19.0	---	19.0	10.0	10.0	15.0	16.0	19.0	24.0	28.0	26.0	26.0
9	22.0	15.0	17.0	9.0	10.0	12.0	10.0	17.0	21.0	26.0	29.0	25.0
10	21.0	16.0	18.0	11.0	10.0	14.0	15.0	20.0	20.0	29.0	29.0	30.0
11	23.0	16.0	12.0	12.0	12.0	20.0	18.0	20.0	15.0	28.0	30.0	22.0
12	15.0	13.0	15.0	10.0	11.0	21.0	12.0	19.0	26.0	29.0	31.0	25.0
13	20.0	14.0	14.0	11.0	15.0	14.0	20.0	20.0	26.0	29.0	26.0	26.0
14	23.0	12.0	15.0	9.0	10.0	15.0	20.0	18.0	26.0	28.0	31.0	26.0
15	21.0	15.0	---	---	12.0	14.0	20.0	18.0	25.0	29.0	30.0	24.0
16	15.0	20.0	10.0	---	14.0	20.0	21.0	12.0	25.0	30.0	---	25.0
17	21.0	15.0	12.0	11.0	15.0	14.0	23.0	15.0	25.0	30.0	31.0	30.0
18	21.0	24.0	12.0	---	16.0	18.0	15.0	19.0	26.0	24.0	30.0	24.0
19	25.0	25.0	10.0	10.0	18.0	21.0	20.0	---	26.0	29.0	31.0	23.0
20	22.0	15.0	18.0	20.0	18.0	17.0	23.0	15.0	29.0	30.0	29.0	25.0
21	20.0	15.0	20.0	19.0	18.0	22.0	19.0	20.0	28.0	27.0	30.0	25.0
22	24.0	24.0	21.0	14.0	15.0	11.0	25.0	19.0	25.0	20.0	30.5	20.0
23	20.0	24.0	15.0	15.0	16.0	20.0	25.0	20.0	24.0	24.0	30.0	19.0
24	21.0	21.0	14.0	18.0	15.0	12.0	20.0	24.0	27.0	26.0	30.0	19.0
25	15.0	21.0	12.0	19.0	19.0	20.0	20.0	25.0	22.0	29.0	29.0	26.0
26	16.0	24.0	16.0	14.0	20.0	20.0	21.0	25.0	22.0	26.0	26.0	25.0
27	15.0	18.0	20.0	14.0	14.0	15.0	19.0	24.0	20.0	26.0	32.0	24.0
28	14.0	20.0	14.0	20.0	15.0	20.0	20.0	25.0	22.0	24.0	26.0	25.0
29	15.0	20.0	15.0	20.0	---	20.0	20.0	22.0	19.0	30.0	30.0	26.0
30	25.0	20.0	18.0	---	---	21.0	19.0	26.0	25.0	30.0	31.0	25.0
31	20.0	---	12.0	14.5	---	25.0	---	25.0	---	25.0	---	---

08016400 BECKWITH CREEK NEAR DE QUINCY, LA

LOCATION.--Lat 30°28'15", long 93°21'35", in SE1/4 NW1/4 sec.11, T.7 S., R.10 W., Beauregard Parish, Hydrologic Unit 08080205, near right bank on downstream side of bridge on State Highway 12, 300 ft (91 m) upstream from New Orleans, Texas and Mexico Railway bridge, 2.3 mi (3.7 km) downstream from Hams Creek, and 4.4 mi (7.1 km) northeast of De Quincy.

DRAINAGE AREA.--148 mi^2 (383 km^2).

PERIOD OF RECORD.--August 1945 to current year.

REVISED RECORDS.--WSP 1118: 1946, 1947(m). WSP 1512: 1945.

GAGE.--Water-stage recorder. Datum of gage is 25.29 ft (7.708 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 28, 1950, nonrecording gage and Oct. 29, 1950 to Jan. 3, 1961, water-stage recorder 1,000 ft (305 m) upstream at same datum.

REMARKS.--Records good, except those periods of no gage-height record, which are fair. Records of water temperatures for water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--37 years, 194 ft^3/s (5.494 m^3/s), 17.80 in/yr (452 mm/yr), 140,600 acre-ft/yr (173 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,800 ft^3/s (391 m^3/s) May 21, 1955, gage height, 24.45 ft (7.452 m); minimum, 0.08 ft^3/s (0.002 m^3/s) Nov. 1, 1978; minimum gage height, 0.87 ft (0.265 m) Sept. 26, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,600 ft^3/s (45 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
April 24	2200	*1840	52	*16.47	5.020

Minimum discharge, 1.6 ft^3/s (0.045 m^3/s) Oct. 5, 6, gage height, 1.17 ft (0.357 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	8.0	66	1100	90	70	61	104	9.5	159	59	3.2
2	2.0	7.0	45	800	250	66	41	289	7.7	43	11	2.9
3	1.9	6.7	30	480	102	57	31	88	6.7	19	6.0	2.7
4	1.7	5.9	22	310	72	45	26	52	5.9	12	4.8	2.6
5	1.6	5.2	15	195	47	37	21	55	5.4	8.9	5.1	2.4
6	1.6	4.9	11	118	35	34	17	72	4.9	6.9	5.1	2.3
7	26	4.6	9.0	75	29	61	20	90	4.5	5.4	169	2.2
8	14	10	7.7	42	26	52	18	44	4.2	4.5	69	2.1
9	5.6	311	7.0	28	110	50	14	29	4.0	3.9	49	2.1
10	3.8	91	6.4	15	113	48	20	23	3.8	3.5	50	2.1
11	4.1	41	5.8	28	68	37	21	19	3.6	3.2	28	3.5
12	3.4	26	5.4	47	68	30	18	16	4.8	3.3	34	5.0
13	2.8	21	5.3	88	63	26	15	151	12	38	362	4.3
14	36	15	20	175	43	24	14	1300	7.0	18	399	3.4
15	330	11	17	298	201	22	12	622	4.7	6.9	132	3.0
16	144	8.5	15	215	1310	21	11	263	33	4.7	32	4.3
17	44	7.5	38	160	940	19	759	163	201	4.0	18	4.2
18	18	5.9	42	115	637	18	1190	85	37	3.9	12	3.6
19	11	4.9	35	77	617	16	670	49	62	3.3	10	3.0
20	7.3	4.3	24	51	707	14	576	38	32	3.3	43	2.5
21	5.6	4.1	31	42	620	13	890	27	131	4.1	85	2.2
22	4.6	3.9	24	34	175	12	1550	21	94	5.2	39	27
23	4.6	3.5	15	28	76	11	1710	17	22	5.1	20	28
24	5.6	3.2	35	25	56	15	1810	16	9.9	71	12	22
25	6.2	3.1	23	21	45	17	1790	21	7.0	33	9.0	18
26	414	3.0	21	18	60	14	1400	55	6.9	22	6.9	11
27	105	2.9	16	15	132	42	928	48	76	9.8	5.5	7.2
28	30	3.4	12	13	89	391	438	19	148	6.4	4.5	5.5
29	17	5.7	9.6	14	---	222	187	17	215	52	3.9	4.4
30	12	64	230	19	---	117	92	16	85	270	4.1	3.7
31	10	---	1500	35	---	86	---	12	---	46	3.6	---
TOTAL	1275.6	696.2	2348.2	4681	6781	1687	14350	3821	1248.5	879.3	1691.5	190.4
MEAN	41.1	23.2	75.7	151	242	54.4	478	123	41.6	28.4	54.6	6.35
MAX	414	311	1500	1100	1310	391	1810	1300	215	270	399	28
MIN	1.6	2.9	5.3	13	26	11	11	12	3.6	3.2	3.6	2.1
CFSM	.28	.16	.51	1.02	1.64	.37	3.23	.83	.28	.19	.37	.04
IN.	.32	.17	.59	1.18	1.70	.42	3.61	.96	.31	.22	.43	.05
AC-FT	2530	1380	4660	9280	13450	3350	28460	7580	2480	1740	3360	378

CAL YR 1981 TOTAL 33509.1 MEAN 91.8 MAX 1810 MIN 1.6 CFSM .62 IN 8.42 AC-FT 66470
WTR YR 1982 TOTAL 39649.7 MEAN 109 MAX 1810 MIN 1.6 CFSM .74 IN 9.97 AC-FT 78650

NOTE.--No gage-height record Dec. 24 to Jan 28, Jan. 30 to Feb. 2.

08016400 BECKWITH CREEK NEAR DE QUINCY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.22	1.67	3.17	---	---	3.26	3.09	3.69	1.75	4.49	3.04	1.35
2	1.23	1.61	2.77	---	---	3.19	2.69	5.95	1.66	2.71	1.82	1.32
3	1.21	1.60	2.42	---	3.81	3.00	2.46	3.54	1.59	2.11	1.55	1.30
4	1.19	1.55	2.19	---	3.28	2.77	2.32	2.91	1.55	1.85	1.47	1.29
5	1.18	1.49	1.98	---	2.82	2.61	2.18	2.97	1.51	1.72	1.49	1.27
6	1.18	1.48	1.83	---	2.56	2.55	2.06	3.28	1.48	1.61	1.49	1.26
7	2.20	1.46	1.73	---	2.41	3.09	2.15	3.58	1.45	1.51	4.44	1.25
8	1.91	1.63	1.66	---	2.32	2.91	2.08	2.76	1.43	1.45	3.23	1.24
9	1.52	6.12	1.61	---	3.82	2.88	1.95	2.40	1.41	1.40	2.85	1.24
10	1.40	3.58	1.58	---	3.92	2.83	2.15	2.22	1.40	1.37	2.86	1.24
11	1.42	2.69	1.54	---	3.22	2.60	2.19	2.10	1.38	1.35	2.37	1.36
12	1.36	2.31	1.51	---	3.21	2.44	2.09	2.02	1.45	1.35	2.48	1.48
13	1.31	2.18	1.51	---	3.11	2.33	1.97	3.59	1.86	2.44	6.67	1.43
14	1.96	2.00	2.10	---	2.73	2.25	1.94	13.49	1.61	2.06	7.00	1.37
15	6.24	1.83	2.06	---	4.47	2.20	1.89	8.83	1.47	1.61	4.10	1.33
16	4.31	1.70	1.98	---	13.54	2.15	1.83	5.71	2.10	1.46	2.48	1.43
17	2.74	1.64	2.61	---	11.17	2.12	9.04	4.56	4.89	1.42	2.07	1.43
18	2.08	1.55	2.71	---	9.04	2.07	12.76	3.49	2.57	1.41	1.87	1.38
19	1.80	1.48	2.44	---	8.88	2.02	9.28	2.86	3.09	1.36	1.78	1.33
20	1.63	1.44	2.27	---	9.57	1.97	8.55	2.61	2.48	1.35	2.55	1.28
21	1.52	1.42	2.44	---	8.88	1.92	10.85	2.34	3.98	1.42	3.50	1.25
22	1.45	1.41	2.27	---	4.67	1.86	14.92	2.18	3.60	1.50	2.64	2.19
23	1.46	1.38	1.97	---	3.35	1.84	15.83	2.07	2.18	1.49	2.15	2.36
24	1.52	1.35	---	---	2.99	1.99	16.32	2.03	1.77	3.18	1.89	2.22
25	1.56	1.34	---	---	2.77	2.05	16.21	2.18	1.61	2.51	1.73	2.07
26	6.93	1.33	---	---	3.03	1.97	14.06	2.80	1.60	2.21	1.60	1.81
27	3.72	1.32	---	---	4.17	2.50	11.11	2.80	3.26	1.76	1.52	1.63
28	2.43	1.36	---	---	3.57	6.92	7.33	2.13	4.13	1.58	1.45	1.52
29	2.04	1.51	---	1.93	---	5.25	4.85	2.06	5.16	2.23	1.40	1.44
30	1.87	3.10	---	---	---	3.98	3.62	2.02	3.49	5.43	1.42	1.39
31	1.78	---	---	---	---	3.53	---	1.86	---	2.62	1.38	---
MAX	6.93	6.12	---	---	13.54	6.92	16.32	13.49	5.16	5.43	7.00	2.36
MIN	1.18	1.32	1.51	---	2.32	1.84	1.83	1.86	1.38	1.35	1.38	1.24

08022040 SABINE RIVER NEAR BECKVILLE, TX

LOCATION.--Lat 32°19'38", long 94°21'12", Panola County, Hydrologic Unit 12010002, on downstream side of highway embankment near right end of downstream bridge on U.S. Highway 59, 0.9 mi (1.4 km) upstream from Eightmile Creek, 6.0 mi (9.7 km) upstream from Farm Road 1794, 8.4 mi (13.5 km) northeast of Beckville, 12.4 mi (20.0 km) downstream from State Highway 43, and at mile 327.0 (526.3 km).

DRAINAGE AREA.--3,589 mi^2 (9,296 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year. Prior to October 1978, published as "near Tatum."

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 190.00 ft (57.912 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1978, at site 12.4 mi (20.0 km) upstream at datum 14.18 ft (4.322 m) higher. Prior to Sept. 21, 1945, nonrecording gage.

REMARKS.--Water-discharge records good. Eight major reserviors with a combined capacity of 1,701,000 acre/ft (2.10 km^3) regulated the flow. Several diversions above station and below Lake Tawakoni for oilfield operation, municipal, and industrial uses. Low flows are sustained by sewage effluents returned to the river above the station. During the current year, the city of Longview reported that 8,640 acre-ft (10.7 hm^3) of sewage effluent was returned to the river and that 3,780 acre/ft (4.66 hm^3) of water was diverted for municipal use above this station. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see station 08018500, WDR TX-82.

AVERAGE DISCHARGE.--22 years (water years 1939-60) prior to regulation by Lake Tawakoni, 2,663 ft^3/s (75.42 m^3/s), 1,929,000 acre-ft/yr (2.38 km^3/yr); 22 years (water years 1961-82) regulated, 2,236 ft^3/s (63.32 m^3/s), 1,620,000 acre-ft/yr (2.00 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 123,000 ft^3/s (3,480 m^3/s) Apr. 4, 1945, gage height, 33.80 ft (10.302 m), site and datum then in use, from graph based on gage readings, from rating curve extended above 66,000 ft^3/s (1,870 m^3/s) on basis of partly estimated measurement of 88,900 ft^3/s (2,520 m^3/s); minimum observed, 2.4 ft^3/s (0.068 m^3/s) Aug. 11, 12, 1964.

Maximum stage since at least 1884, that of Apr. 4, 1945.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1884 reached a stage of about 2 ft (0.61 m) lower than flood of Apr. 4, 1945. These dates and gage heights are based on information for stations near Tatum, TX (station 08022000) and at Logansport, LA (station 08022500).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,810 ft^3/s (136 m^3/s) May 31, gage height, 16.02 ft (4.885 m); minimum, 41 ft^3/s (1.16 m^3/s) Sept. 9, gage height, 6.24 ft (1.902 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	2220	1820	478	1930	2010	1190	1970	4730	3440	269	46
2	128	2930	1830	446	1810	2110	1080	1670	4550	3380	229	52
3	114	3040	1750	452	1810	2290	1250	1520	4180	3310	191	58
4	114	3040	1550	510	2060	2400	1530	1290	3630	3340	201	64
5	101	3180	1310	568	2010	2480	1370	1310	3080	3400	199	62
6	131	3310	1130	533	1940	2450	1210	1480	2800	3520	160	51
7	123	3400	1070	498	1870	2490	1080	2150	2660	3650	145	46
8	233	3460	1010	480	1700	2370	986	2440	2570	3750	132	43
9	474	3540	923	458	2200	2200	954	1900	2440	3720	120	42
10	700	3620	879	437	2410	2190	918	1400	2300	3220	122	43
11	585	3560	828	427	1930	2230	1030	1140	2150	2080	128	44
12	169	3470	737	430	1510	2310	1170	956	1980	1190	110	44
13	301	3450	660	474	1330	2310	1090	993	1790	805	95	46
14	285	3460	634	606	1220	2200	1010	3260	1530	670	108	46
15	339	3510	649	682	1160	2030	990	4350	1190	561	136	46
16	1150	3540	616	813	1130	1900	941	3610	912	533	128	45
17	2200	3550	581	987	1070	1760	868	2560	807	504	122	54
18	2480	3530	592	923	993	1510	855	2420	731	449	122	58
19	2650	3430	599	867	923	1260	807	2660	746	406	112	53
20	2710	3170	585	859	864	1090	922	2770	1070	341	99	51
21	2720	2760	617	856	808	1050	1290	2840	1130	302	88	50
22	2660	2270	606	1020	774	1790	1480	2960	1570	262	72	49
23	2360	1920	645	1360	724	2240	1590	3110	1710	231	59	49
24	1830	1520	707	1700	671	1880	2050	3300	1530	219	54	48
25	1490	1330	663	1540	661	1660	2600	3490	1680	212	52	46
26	1110	1260	578	1300	1010	1600	3130	3810	2030	194	51	44
27	980	1170	507	1190	1890	1510	3430	4280	2280	191	51	44
28	1110	1050	481	1100	2110	1450	3400	4530	2330	261	49	45
29	1350	899	504	1020	---	1370	3060	4680	2790	385	46	49
30	1570	1170	550	1010	---	1280	2500	4760	3190	394	47	53
31	1760	---	533	1410	---	1230	---	4780	---	321	46	---
TOTAL	34120	81690	26144	25434	40517	58670	45781	84389	66086	45241	3543	1471
MEAN	1098	2723	843	820	1447	1893	1526	2722	2203	1459	114	49.0
MAX	2720	3620	1830	1700	2410	2490	3430	4780	4730	3750	269	64
MIN	101	899	481	427	661	1050	807	956	731	191	46	42
AC-FT	67690	162000	51860	50450	80370	116400	90810	167400	131100	89740	7030	2920

CAL YR 1981 TOTAL 566701 MEAN 1553 MAX 10300 MIN 101 AC-FT 1124000
WTR YR 1982 TOTAL 513003 MEAN 1405 MAX 4780 MIN 42 AC-FT 1018000

08022040 SABINE RIVER NEAR BECKVILLE, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD --Water years 1952 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February 1952 to current year.
WATER TEMPERATURES: February 1952 to current year.

REMARKS.--Data furnished by Texas District. Daily values for the 1982 water year are available from the Texas Report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
NOV 18...	0852	3540	240	7.9	13.5	10	21	9.0	1.2	66	20
JAN 06...	0848	563	500	7.9	10.0	30	7.4	10.4	2.8	73	21
MAR 31...	0835	1230	490	7.2	15.5	45	12	8.2	1.5	82	21
JUN 09...	0838	2450	240	7.6	25.5	30	33	6.2	1.2	73	23
JUL 21...	0840	303	364	7.6	30.0	20	6.0	7.2	2.9	80	23
SEP 01...	0815	45	570	7.3	28.0	15	3.1	5.3	2.8	74	20

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
NOV 18...	3.9	21	4.8	66	14	26	.2	5.9	136	23	21
JAN 06...	5.1	65	3.6	75	37	77	.2	13	267	18	12
MAR 31...	7.1	61	3.6	30	51	93	.5	14	269	45	27
JUN 09...	3.9	21	4.1	74	24	18	.3	4.8	144	74	70
JUL 21...	5.5	39	4.5	64	32	52	.3	9.6	204	27	24
SEP 01...	5.9	84	4.9	56	56	100	.4	7.9	313	9	6

DATE	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 18...	2	.20	.02	.22	.15	1.4	1.5	1.7	.07	9.0
JAN 06...	6	.58	.03	.61	.32	.68	1.0	1.6	.31	8.7
MAR 31...	18	.38	.03	.41	.16	.60	.76	1.2	.08	9.3
JUN 09...	4	--	<.02	.20	.06	1.2	1.3	1.5	.13	7.5
JUL 21...	3	--	<.02	.10	.07	1.2	1.3	1.4	.12	8.8
SEP 01...	3	--	<.02	<.10	.09	1.5	1.6	--	.20	8.1

DATE	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
JAN 06...	1	62	<1	<10	<1	44	<1	110	<.1	<1	<1	6
SEP 01...	1	91	<1	<10	<1	61	<1	160	.1	<1	<1	12

< Actual value is known to be less than the value shown.

08022500 SABINE RIVER AT LOGANSPORT, LA

LOCATION.--Lat 31°58'20", long 94°00'22", De Soto Parish, Louisiana - Shelby County, Texas State line at Logansport, Hydrologic Unit 12010004, just upstream from bridge on U.S. Highway 84, 3 mi (5 km) upstream from Bayou Castor, 111 mi (179 km) upstream from Toledo Bend Dam, and at mile 267.1 (429.8 km).

DRAINAGE AREA.--4,842 mi^2 (12,541 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1903 to February 1968. March 1968 to current year (gage heights only).

REVISED RECORDS.--WSP 1312: 1903-6 (monthly and annual means). WSP 1732: 1929(M), 1933(M).

GAGE.--Water-stage recorder. Datum of gage is 147.72 ft (45.025 m) National Geodetic Vertical Datum of 1929. July 1, 1903 to Sept. 30, 1956, nonrecording gage. Oct. 1, 1956 to Jan. 16, 1964, water-stage recorder 4,600 ft (1,400 m) upstream. Jan. 16, 1964 to Dec. 10, 1968, water-stage recorder 4,700 ft (1,430 m) upstream. All gages to present datum except prior to Dec. 31, 1906, when datum was 2.00 ft (0.610 m) lower.

REMARKS.--Station discontinued as daily streamflow station Mar. 1, 1968, due to backwater from storage in Toledo Bend Reservoir (station 08025350). Ten major reservoirs, with a combined capacity of 1,824,000 acre-ft (2.25 km^3), largely regulated the flow. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see station 08018500, WDR TX-81. Numerous diversions above station for oilfield operations, municipal, and industrial uses.

AVERAGE DISCHARGE.--64 years (water years 1904-67), 3,208 ft^3/s (90.85 m^3/s), 2,324,000 acre-ft/yr (2.87 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height (1968-81), 32.50 ft (9.906 m) Apr. 20, 1969; minimum since initial filling of Toledo Bend Reservoir in June 1968, 17.97 ft (5.477 m) Nov. 29, 1977. Maximum discharge (1903-67), 92,000 ft^3/s (2,610 m^3/s) Apr. 8, 1945, gage height, 44.07 ft (13.433 m), from floodmark; minimum, 16 ft^3/s (0.453 m^3/s) Sept. 26-28, Oct. 3, 4, 1939.

Maximum stage since at least 1884, that of Apr. 8, 1945.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1884 reached a stage of 39.4 ft (12.01 m), present site and datum.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 24.93 ft (7.599 m) Apr. 22; minimum 20.35 ft (6.203 m) Sept. 25.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.87	21.13	21.68	21.67	22.15	21.77	22.64	24.28	---	23.72	22.87	21.18
2	20.77	21.20	21.74	21.56	22.12	21.97	22.60	24.08	---	23.74	22.60	21.09
3	20.90	21.27	21.64	21.42	22.02	22.00	22.48	23.93	23.59	23.70	22.57	20.95
4	20.91	21.30	21.63	21.58	22.17	21.70	22.74	23.87	23.54	23.66	22.43	20.90
5	20.80	21.31	---	21.74	21.97	21.63	22.17	23.75	23.40	23.70	22.35	20.92
6	20.88	21.32	---	21.55	22.20	21.60	22.63	23.60	23.55	23.73	22.53	20.88
7	20.84	21.43	---	21.32	22.35	21.85	22.66	23.34	23.38	23.70	22.34	20.85
8	20.85	21.57	---	21.52	22.30	22.02	22.30	23.42	23.33	23.64	22.43	20.80
9	20.91	21.31	---	21.48	22.22	22.04	22.65	23.49	23.35	23.65	22.30	20.82
10	20.92	21.50	21.79	21.10	22.38	22.07	22.49	23.50	23.25	23.61	22.27	20.83
11	20.95	21.59	21.57	---	22.38	22.01	22.65	23.51	23.24	23.53	22.23	20.57
12	21.02	21.62	21.54	---	22.03	22.10	22.87	24.29	23.11	23.57	22.17	20.92
13	21.30	21.63	21.60	---	22.12	22.09	22.64	24.18	23.10	23.39	22.00	20.99
14	21.14	21.66	21.43	---	22.17	22.17	22.70	24.10	23.18	23.43	21.95	20.69
15	20.94	21.74	21.60	---	22.33	22.23	22.83	23.97	23.30	23.44	21.95	20.68
16	20.92	21.70	21.67	---	22.20	22.10	23.00	23.78	23.15	23.29	22.02	20.77
17	21.13	21.77	21.29	---	22.23	22.14	23.29	23.75	23.02	23.32	21.75	20.72
18	20.90	21.98	21.55	---	22.11	22.23	23.35	23.72	23.04	23.30	21.67	20.72
19	21.12	21.45	21.68	---	22.10	22.24	23.63	23.80	22.95	23.12	21.62	20.63
20	21.25	21.70	21.86	---	22.04	22.20	24.17	23.93	23.00	23.14	21.57	20.72
21	21.18	21.80	21.85	---	21.97	22.15	24.82	23.92	23.15	22.90	21.55	20.62
22	20.95	21.81	21.20	---	22.02	22.35	24.93	23.80	23.15	22.86	21.51	20.66
23	21.03	21.65	21.50	---	21.99	22.56	24.89	23.84	23.19	22.87	21.50	20.67
24	21.24	21.65	21.49	---	21.77	22.63	24.85	23.80	23.20	22.82	21.41	20.57
25	21.03	21.95	21.62	21.73	21.56	22.35	24.80	23.80	23.18	22.85	21.30	20.46
26	21.00	21.60	21.48	21.93	21.38	22.59	24.60	23.82	23.23	22.90	21.31	20.53
27	20.99	21.61	21.62	21.90	21.68	22.45	24.58	23.80	23.33	22.68	21.31	20.60
28	21.00	21.63	21.37	21.85	21.75	22.43	24.63	23.90	23.37	22.67	21.15	20.53
29	21.02	21.67	21.45	22.20	---	22.77	24.60	23.80	23.55	22.74	21.15	20.50
30	21.05	21.69	21.62	21.93	---	22.45	24.50	23.78	23.65	22.68	21.20	20.41
31	21.20	---	21.48	21.93	---	22.45	---	---	---	22.67	21.14	---
MAX	21.30	21.98	21.86	22.20	22.38	22.77	24.93	24.29	---	23.74	22.87	21.18
MIN	20.77	21.13	21.20	---	21.38	21.60	22.17	23.34	22.95	22.67	21.14	20.41

08022500 SABINE RIVER AT LOGANSPORT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1973, 1976 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT 21...	1530	233	6.8	22.5	60	30	9.4	3.5
JAN 06...	1045	422	7.5	12.0	15	3.0	12.2	3.9
APR 14...	1615	430	6.8	19.5	20	10	8.6	2.1
JUL 08...	1000	208	6.6	29.0	50	25	6.4	1.5

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 21...	420	2600	30	8.4	2.2	31	3.8	24	20
JAN 06...	K50	560	78	23	5.0	57	3.2	72	33
APR 14...	140	330	70	18	6.2	50	3.4	28	38
JUL 08...	K44	440	46	13	3.3	20	3.9	34	22

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT 21...	37	.2	9.4	133	126	.44	.68	.20
JAN 06...	67	.2	11	250	242	.28	.87	.18
APR 14...	80	.2	14	237	227	.42	.68	.13
JUL 08...	27	.2	7.1	146	116	.22	1.1	.13

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)
OCT 21...	--	1	<1	--	--	--	1	<1	--	1	<1
JUL 08...	1	1	--	<10	<1	1	1	--	10	--	<1

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

08022500 SABINE RIVER AT LOGANSPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT											
21...	--	3	<1	330	690	--	4	<10	61	58	.1
JUL											
08...	15	10	--	280	--	9	4	--	--	--	.1

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
21...	--	<.01	--	--	--	--	--	--	6	9	9.1
JUL											
08...	.2	--	7	3	<1	<1	.3	150	14	--	--

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)
OCT											
21...	<.01	<1	<.1	7	<.1	<1	<.01	<.1	<.1	1.0	<.01

DATE	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT											
21...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	.2	<.01	<.1

DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)
OCT											
21...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

< Actual value is known to be less than the value shown.

08022500 SABINE RIVER AT LOGANSPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 21...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 21...	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.01	.01	<.01

DATE	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 21...	68	94
JAN 06...	68	98
APR 14...	61	88
JUL 08...	78	94

< Actual value is known to be less than the value shown.

08022765 BAYOU CASTOR NEAR FUNSTON, LA

LOCATION.--Lat 32°00'57", long 93°57'35", SW1/4NE1/4 sec.24, T.12 N., R.16 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on unnumbered parish road, 0.3 mi (0.5 km) downstream from Bushneck Bayou, and 2.4 mi (3.9 km) south of Funston.

DRAINAGE AREA.--91.5 mi^2 (237.0 km^2).

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 185.50 ft (56.540 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--10 years, 61.9 ft^3/s (1.753 m^3/s), 9.19 in/yr (233 mm/yr), 44,850 acre-ft/yr (55.3 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,690 ft^3/s (133 m^3/s) Jan.24, 1974, gage height, 15.23 ft (4.642 m), minimum, no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 575 ft^3/s (16.3 m^3/s) Apr. 21 gage height, 12.07 ft (3.679 m), no peaks above base of 900 ft^3/s (25 m^3/s); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.02	.02	.06	89	19	5.0	23	.70	12	.12	.00
2	.00	.02	.02	.08	31	12	4.9	17	.61	8.0	.12	.00
3	.00	.02	.02	.17	17	7.5	14	13	.54	5.2	.09	.00
4	.00	.01	.02	1.3	13	4.8	16	11	.46	3.5	.90	.00
5	.00	.01	.02	.98	10	3.7	19	8.5	.39	2.7	.15	.00
6	.00	.00	.03	.46	14	4.9	14	11	.35	1.2	.08	.00
7	.00	.00	.03	.24	17	16	8.2	15	.31	1.3	.06	.00
8	.00	.00	.03	.16	19	28	5.8	13	.27	1.1	.03	.00
9	.01	.02	.03	.12	22	19	4.0	10	.24	.90	.01	.00
10	.87	.02	.03	.10	43	12	3.3	6.9	.20	.50	.00	.00
11	.07	.02	.03	.08	30	8.1	3.3	4.9	.18	.20	.00	.00
12	.03	.02	.03	.12	16	5.4	3.2	4.4	.16	.10	.00	.00
13	.01	.02	.03	5.2	10	4.1	2.6	16	.15	.07	.00	.00
14	.00	.01	.05	2.7	6.9	3.4	2.1	100	.13	.06	.00	.00
15	.00	.01	.06	2.2	6.8	3.0	1.8	86	.11	.05	.00	.00
16	.00	.00	.09	3.7	4.0	2.5	1.8	32	.29	.04	.00	.00
17	.00	.00	.12	4.4	3.8	2.1	457	15	.26	.04	.00	.00
18	.02	.00	.10	2.8	3.3	1.8	170	9.8	.22	.03	.00	.00
19	.03	.00	.08	3.0	3.6	1.6	41	6.4	.30	.01	.00	.00
20	.02	.00	.07	2.6	3.6	1.5	284	4.5	.41	.00	.00	.00
21	.01	.00	.06	3.8	2.9	7.6	527	3.5	.96	.00	.00	.00
22	.03	.00	.06	6.9	2.4	49	439	2.8	1.3	.00	.00	.00
23	.05	.00	.06	13	2.0	166	99	2.4	1.2	.00	.00	1.5
24	.03	.00	.05	11	1.7	64	47	2.0	1.2	.00	.00	.60
25	.03	.00	.05	9.5	1.7	30	66	1.9	.70	.00	.00	.27
26	.02	.00	.06	6.1	4.2	19	93	2.0	.60	.00	.00	.14
27	.02	.00	.07	3.1	10	14	100	1.8	.64	.07	.00	.10
28	.02	.00	.06	1.9	19	11	58	1.5	9.4	2.2	.00	.07
29	.01	.00	.06	1.4	---	8.1	50	1.3	52	6.9	.00	.05
30	.01	.01	.05	2.4	---	6.4	35	1.0	17	1.7	.00	.03
31	.01	---	.06	57	---	5.2	---	.82	---	.22	.00	---
TOTAL	1.30	.21	1.55	146.57	406.9	540.7	2575.0	428.42	91.28	48.09	1.56	2.76
MEAN	.042	.007	.050	4.73	14.5	17.4	85.8	13.8	3.04	1.55	.050	.092
MAX	.87	.02	.12	57	89	166	527	100	52	12	.90	1.5
MIN	.00	.00	.02	.06	1.7	1.5	1.8	.82	.11	.00	.00	.00
CFSM	.000	.000	.001	.05	.16	.19	.94	.15	.03	.02	.001	.001
IN.	.00	.00	.00	.06	.17	.22	1.05	.17	.04	.02	.00	.00
AC-FT	2.6	.4	3.1	291	807	1070	5110	850	181	95	3.1	5.5

CAL YR 1981 TOTAL 8534.26 MEAN 23.4 MAX 2340 MIN .00 CFSM .26 IN 3.47 AC-FT 16930
WTR YR 1982 TOTAL 4244.34 MEAN 11.6 MAX 527 MIN .00 CFSM .13 IN 1.73 AC-FT 8420

08022765 BAYOU CASTOR NEAR FUNSTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.25	1.82	1.80	1.87	5.58	3.25	2.57	3.37	2.16	2.86	1.88	1.36
2	1.24	1.83	1.81	1.91	3.78	2.92	2.57	3.12	2.13	---	1.88	1.34
3	1.21	1.85	1.81	2.00	3.21	2.74	2.99	2.94	2.11	---	1.84	1.31
4	1.19	1.82	1.81	2.30	3.02	2.63	3.04	2.81	2.08	---	2.11	1.28
5	1.17	1.80	1.81	2.28	2.90	2.56	3.18	2.72	2.06	---	1.91	1.25
6	1.21	1.76	1.83	2.16	3.05	2.62	2.95	2.83	2.04	---	1.83	1.22
7	1.34	1.77	1.82	2.06	3.21	3.12	2.70	3.03	2.02	---	1.79	1.18
8	1.46	1.79	1.81	2.01	3.31	3.62	2.61	2.94	2.00	---	1.71	1.15
9	1.61	1.83	1.82	1.98	3.43	3.26	2.51	2.79	1.98	---	1.64	1.12
10	2.14	1.84	1.81	1.95	4.24	2.94	2.47	2.65	1.95	---	---	1.09
11	1.87	1.84	1.81	1.93	3.74	2.77	2.47	2.56	1.93	---	---	1.06
12	1.76	1.84	1.80	1.98	3.14	2.66	2.46	2.54	1.92	---	---	1.03
13	1.69	1.83	1.82	2.60	2.89	2.59	2.41	2.99	1.91	1.81	---	1.00
14	1.67	1.81	1.86	2.50	2.74	2.54	2.37	5.89	1.89	1.80	---	.96
15	1.64	1.79	1.88	2.46	2.74	2.51	2.34	5.50	1.87	1.77	---	.94
16	1.62	1.78	1.92	2.56	2.60	2.47	2.34	3.74	2.00	1.75	---	.91
17	1.68	1.77	1.96	2.61	2.59	2.44	10.70	3.03	1.99	1.74	---	.89
18	1.74	1.77	1.94	2.52	2.56	2.41	6.96	2.77	1.97	1.71	---	.87
19	1.81	1.74	1.91	2.53	2.58	2.38	4.08	2.63	2.01	1.63	---	.93
20	1.79	1.71	1.90	2.50	2.57	2.37	9.05	2.54	2.06	1.58	---	1.42
21	1.73	1.69	1.89	2.58	2.52	2.68	11.71	2.48	2.20	1.54	---	1.39
22	1.82	1.66	1.88	2.73	2.48	4.36	10.75	2.43	2.26	1.51	---	1.34
23	1.88	1.64	1.87	2.99	2.44	7.28	5.78	2.40	2.26	1.49	---	2.22
24	1.85	1.62	1.86	2.93	2.41	4.85	4.35	2.35	2.25	1.48	---	2.11
25	1.84	1.62	1.85	2.86	2.40	3.65	4.95	2.34	2.15	1.52	1.52	1.99
26	1.83	1.63	1.88	2.71	2.55	3.18	5.69	2.36	2.13	1.52	1.49	1.91
27	1.80	1.64	1.89	2.55	2.86	2.95	5.86	2.34	2.14	1.71	1.46	1.85
28	1.80	1.62	1.88	2.45	3.28	2.81	4.69	2.30	2.59	2.31	1.44	1.81
29	1.79	1.62	1.87	2.38	---	2.70	4.43	2.27	4.49	2.60	1.42	1.77
30	1.79	1.76	1.86	2.44	---	2.63	3.85	2.22	3.12	2.24	1.40	1.73
31	1.77	---	1.87	4.65	---	2.58	---	2.18	---	1.96	1.38	---
MAX	2.14	1.85	1.96	4.65	5.58	7.28	11.71	5.89	4.49	2.86	2.11	2.22
MIN	1.17	1.62	1.80	1.87	2.40	2.37	2.34	2.18	1.87	1.48	---	.87

08023000 BAYOU CASTOR NEAR LOGANSPORT, LA

LOCATION.--Lat 31°58'25", long 93°58'10", in SW1/4NW1/4 (revised) sec. 1, T.11 N., R.16 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 1.7 mi (2.7 km) east of Logansport, and 2.5 mi (4.0 km) upstream from Bayou Grand Cane.

DRAINAGE AREA.--96.5 mi^2 (249.9 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1955 to September 1971. October 1971 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 171.20 ft (52.182 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 2, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--16 years (water years 1956-71), 69.3 ft^3/s (1.962 m^3/s), 9.75 in/yr (248 mm/yr), 50,210 acre-ft/yr (61.9 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,030 ft^3/s (277 m^3/s) Apr. 6, 1956, gage height, 23.33 ft (7.111 m); no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.95 ft (2.423 m) Apr. 22; minimum, 0.70 ft (0.213 m) Sept. 18.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.40	2.24	2.25	2.32	3.56	2.49	2.01	2.52	1.73	2.24	2.16	1.13
2	1.46	2.22	2.24	2.33	2.97	2.34	2.01	2.38	1.72	2.13	1.97	1.11
3	1.44	2.25	2.24	2.35	2.58	2.23	2.04	2.28	1.71	1.97	1.85	1.09
4	1.42	2.24	2.24	2.38	2.45	2.17	2.30	2.21	1.71	1.84	1.72	1.06
5	1.40	2.22	2.24	2.45	2.37	2.11	2.18	2.15	1.69	1.75	1.66	1.03
6	1.39	2.20	2.24	2.51	2.45	2.14	2.28	2.15	1.66	1.71	1.63	1.01
7	1.52	2.10	2.25	2.49	2.43	2.29	2.14	2.31	1.66	1.74	1.63	.99
8	1.72	2.18	2.26	2.45	2.47	2.46	2.06	2.27	1.67	1.72	1.63	.96
9	1.75	2.24	2.25	2.43	2.51	2.49	2.02	2.20	1.68	1.68	1.59	.94
10	2.20	2.22	2.25	2.41	2.63	2.34	1.96	2.11	1.67	1.65	---	.91
11	2.10	2.21	2.25	2.39	2.80	2.24	1.98	2.05	1.68	1.61	1.49	.89
12	2.02	2.22	2.26	2.42	2.51	2.18	1.96	2.00	1.71	1.59	1.98	.87
13	1.99	2.22	2.26	2.48	2.36	2.13	1.95	2.01	1.68	1.57	1.81	.85
14	1.97	2.21	2.30	2.65	2.28	2.09	1.92	3.88	1.68	1.58	1.73	.83
15	1.97	2.20	2.29	2.56	2.22	2.07	1.91	3.79	1.65	1.55	1.73	.81
16	1.95	2.20	2.29	2.61	2.55	2.06	1.87	2.93	1.84	1.52	1.72	.79
17	1.90	2.20	2.33	2.57	2.18	2.03	7.05	2.40	1.81	1.51	1.62	.76
18	2.12	2.20	2.31	2.58	2.14	2.01	7.31	2.21	1.70	1.47	1.63	.73
19	2.13	2.20	2.31	2.55	2.12	1.98	3.05	2.11	1.65	1.43	1.60	.79
20	2.14	2.19	2.33	2.62	2.13	1.97	5.14	2.04	1.69	1.39	1.50	1.58
21	2.13	2.18	2.34	2.67	2.12	1.93	7.14	1.98	1.75	1.35	1.48	1.86
22	2.14	2.10	2.33	2.63	2.08	2.77	7.95	1.94	1.99	1.32	1.43	1.76
23	2.20	2.19	2.33	2.74	2.07	3.87	5.05	1.91	1.88	1.29	1.38	1.67
24	2.18	2.19	2.33	2.73	2.05	3.76	3.09	1.89	1.88	1.26	1.34	1.61
25	2.17	2.20	2.32	2.66	2.04	2.67	3.11	1.86	1.88	1.24	1.31	1.99
26	2.17	2.20	2.32	2.61	2.07	2.40	4.07	1.86	1.83	1.25	1.28	1.93
27	2.15	2.21	2.31	2.52	2.28	2.25	3.37	1.88	1.77	1.26	1.25	1.89
28	2.13	2.21	2.31	2.44	2.30	2.18	3.63	1.85	1.76	1.24	1.22	1.84
29	2.11	2.21	2.31	2.39	---	2.12	2.92	1.82	3.21	1.38	1.20	1.80
30	2.09	2.23	2.30	2.36	---	2.07	2.86	1.80	2.59	2.10	1.18	1.76
31	2.08	---	2.32	2.87	---	2.04	---	1.77	---	2.10	1.15	---
MAX	2.20	2.25	2.34	2.87	3.56	3.87	7.95	3.88	3.21	2.24	2.16	1.99
MIN	1.39	2.10	2.24	2.32	2.04	1.93	1.87	1.77	1.65	1.24	1.15	.73

08023000 BAYOU CASTOR NEAR LOGANSPORT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-69, 1972-73, 1980 to current year.

REMARKS.--Daily discharge values are from Bayou Castor near Funston, La., upstream station (08022765).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT									
21...	1430	.01	167	6.3	17.0	60	4.0	3.1	2.8
JAN									
05...	1005	.46	178	6.5	11.5	40	5.0	4.4	.5
APR									
14...	1559	2.1	422	7.0	17.5	70	6.0	5.4	.0
JUL									
08...	0915	1.1	229	6.5	26.0	100	60	3.0	3.9

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT									
21...	K75	240	43	10	4.3	14	5.1	45	9.0
JAN									
05...	100	540	47	11	4.7	15	5.3	57	3.6
APR									
14...	250	1200	70	16	7.4	32	5.9	54	19
JUL									
08...	K400	5200	55	13	5.4	18	5.1	47	28

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT								
21...	13	<.1	8.4	103	91	.03	1.1	.20
JAN								
05...	16	<.1	8.4	107	98	.05	.63	.15
APR								
14...	40	<.1	16	187	174	.38	.74	.17
JUL								
08...	22	.1	11	161	131	.24	1.3	.26

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)
OCT											
21...	--	1	<1	--	--	--	4	<1	--	9	<1
JUL											
08...	2	1	--	<10	<1	1	<1	--	<10	--	<1

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

08023000 BAYOU CASTOR NEAR LOGANSPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT											
21...	--	4	1	740	13000	--	3	70	1900	51	.1
JUL											
08...	15	9	--	670	--	10	4	--	--	--	.1

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
21...	--	<.01	--	--	--	--	--	--	16	6	12
JUL											
08...	.1	--	7	4	<1	<1	.8	20	15	--	--

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)
OCT											
21...	<.01	<1	<.1	4	<.1	<1	<.01	<.1	<.1	2	<.01

DATE	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT											
21...	.8	<.01	.6	<.01	.1	.03	<.1	<.01	<.1	<.01	<.1

DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)
OCT											
21...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

< Actual value is known to be less than the value shown.

08023000 BAYOU CASTOR NEAR LOGANSPORT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT											
21...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
21...	<.0	<.1	<.1	<1	<.01	<.1	<.01	<.01	<.01	<.01

DATE	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT		
21...	35	54
JAN		
[illegible]...	[illegible]	90
APR		
14...	67	90

< Actual value is known to be less than the value shown.

SABINE RIVER BASIN

08023080 BAYOU GRAND CANE NEAR STANLEY, LA

LOCATION.--Lat 31°58'45", long 93°56'02", in SW1/4SE1/4 sec.6, T.11 N., R.15 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 2.8 mi (4.5 km) upstream from Bayou Castor, 2.9 mi (4.7 km) west of Stanley, and 3.2 mi (5.1 km) east of Logansport.

DRAINAGE AREA.--72.5 mi^2 (187.8 km^2), revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage is 172.40 ft (52.548 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records good. Records of dissolved oxygen and water temperatures for water year 1982 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,200 ft^3/s (176 m^3/s) Apr. 12, 1980, gage height, 14.18 ft (4.322 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 800 ft^3/s (22.7 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Apr. 18	0100	*1,530	43.3	*11.14	3.395
Apr. 21	1630	1,350	38.2	10.99	3.350

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.16	.12	.06	20	16	6.9	65	3.9	114	2.1	.00
2	.00	.14	.12	.14	18	11	7.4	30	3.7	5.0	1.6	.00
3	.00	.14	.08	.36	9.6	9.3	9.2	18	3.5	3.3	1.1	.00
4	.00	.09	.03	.54	7.4	8.2	20	14	3.3	2.7	1.1	.00
5	.00	.08	.04	.78	6.9	7.5	16	12	3.1	2.4	1.1	.00
6	.00	.06	.03	1.3	8.0	8.8	11	12	3.0	2.1	.78	.00
7	.00	.04	.02	2.2	8.1	14	8.8	21	3.0	1.9	.54	.00
8	.00	.03	.02	2.2	12	36	7.0	28	2.8	1.8	.45	.00
9	.00	.03	.00	2.2	10	21	5.6	17	2.6	1.7	.36	.00
10	.91	.01	.00	2.2	20	13	4.8	11	2.5	1.6	.33	.00
11	.04	.00	.00	2.4	18	11	5.0	8.8	2.4	1.4	.18	.00
12	2.2	.00	.00	2.7	9.2	9.0	5.0	7.8	2.5	1.3	.14	.00
13	1.6	.02	.00	3.4	8.8	8.4	4.8	15	2.4	1.2	.10	.00
14	1.1	.03	.02	3.5	7.5	7.8	4.8	90	2.4	1.1	.04	.00
15	.86	.06	.03	5.4	6.8	7.6	4.7	115	2.3	1.0	.01	.00
16	.74	.08	.03	5.2	6.5	7.5	4.2	51	2.8	.94	.00	.00
17	.78	.06	.04	5.4	6.3	7.5	905	16	2.7	.82	.00	.00
18	.94	.08	.03	7.4	6.5	7.5	1220	11	2.6	.74	.00	.00
19	.94	.08	.03	6.5	7.6	7.4	576	9.0	2.6	.66	.00	.00
20	.62	.08	.02	6.1	6.6	6.9	439	8.0	2.8	.58	.00	.00
21	.58	.08	.04	8.8	5.9	8.4	1020	7.0	13	.48	.00	.00
22	.48	.08	.06	8.7	5.4	22	876	6.1	19	.42	.00	.00
23	.42	.06	.06	11	5.2	116	431	5.7	25	.33	.00	.00
24	.30	.06	.04	10	5.0	43	112	5.2	9.3	.24	.00	.00
25	.27	.06	.03	9.6	4.6	24	82	5.0	6.0	.16	.00	.00
26	.22	.06	.03	8.0	5.6	11	165	4.8	5.2	.18	.00	.00
27	.20	.10	.04	6.0	7.0	10	186	4.6	5.0	.30	.00	.00
28	.18	.10	.04	5.4	21	8.6	85	4.4	7.2	.39	.00	.00
29	.16	.08	.04	5.4	---	7.6	59	4.3	130	1.3	.00	.00
30	.14	.10	.03	5.8	---	7.5	92	4.2	345	1.9	.00	.00
31	.14	---	.04	9.6	---	7.4	---	4.1	---	1.5	.00	---
TOTAL	13.82	2.05	1.11	148.68	263.5	542.9	6371.2	615.0	621.6	153.44	9.93	.00
MEAN	.45	.068	.036	4.80	9.41	17.5	212	19.8	20.7	4.95	.32	.000
MAX	2.2	.16	.12	11	21	116	1220	115	345	114	2.1	.00
MIN	.00	.00	.00	.06	4.6	6.9	4.2	4.1	2.3	.16	.00	.00
CFSM	.006	.001	.000	.07	.13	.24	2.92	.27	.29	.07	.004	.000
IN.	.01	.00	.00	.08	.14	.28	3.27	.32	.32	.08	.01	.00
AC-FT	27	4.1	2.2	295	523	1080	12640	1220	1230	304	20	.00

CAL YR 1981 TOTAL 5272.16 MEAN 14.4 MAX 1810 MIN .00 CFSM .20 IN 2.71 AC-FT 10460
WTR YR 1982 TOTAL 8743.23 MEAN 24.0 MAX 1220 MIN .00 CFSM .33 IN 4.49 AC-FT 17340

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.96	4.09	4.13	4.10	5.01	4.61	4.06	5.16	3.52	5.71	3.69	2.69
2	2.93	4.09	4.13	4.11	4.91	4.42	4.09	4.59	3.48	4.21	3.56	2.67
3	2.89	4.09	4.11	4.13	4.56	4.32	4.21	4.35	3.44	3.96	3.45	2.65
4	2.87	4.07	4.08	4.15	4.41	4.25	4.64	4.21	3.40	3.84	3.45	2.63
5	2.85	4.06	4.09	4.18	4.37	4.20	4.53	4.11	3.36	3.75	3.44	2.61
6	2.90	4.05	4.08	4.25	4.45	4.29	4.30	4.14	3.35	3.69	3.36	2.59
7	2.99	4.04	4.07	4.41	4.46	4.52	4.19	4.42	3.33	3.64	3.30	2.57
8	3.05	4.03	4.07	4.36	4.68	5.36	4.07	4.56	3.29	3.61	3.27	2.55
9	3.25	4.08	4.05	4.32	4.60	4.65	3.95	4.30	3.25	3.58	3.24	2.53
10	3.60	4.06	4.04	4.29	5.01	4.41	3.88	4.07	3.22	3.55	3.23	2.50
11	3.82	4.05	4.04	4.28	4.78	4.29	3.90	3.95	3.19	3.51	3.17	2.48
12	4.22	4.05	4.03	4.31	4.42	4.20	3.89	3.88	3.23	3.49	3.15	2.46
13	4.08	4.07	4.03	4.42	4.40	4.16	3.87	4.14	3.21	3.46	3.13	2.45
14	3.98	4.08	4.07	4.38	4.31	4.12	3.87	5.56	3.19	3.44	3.10	2.43
15	3.90	4.10	4.06	4.58	4.26	4.11	3.86	5.93	3.17	3.42	3.07	2.41
16	3.87	4.11	4.08	4.53	4.24	4.10	3.80	4.94	3.29	3.40	3.03	2.40
17	3.88	4.10	4.09	4.50	4.22	4.10	9.81	4.26	3.28	3.37	3.00	2.39
18	3.92	4.11	4.08	4.64	4.24	4.10	10.86	4.07	3.25	3.35	2.97	2.37
19	3.92	4.11	4.08	4.49	4.32	4.09	9.63	3.96	3.25	3.33	2.95	2.48
20	4.21	4.11	4.07	4.42	4.25	4.06	9.06	3.89	3.31	3.31	2.93	2.63
21	4.20	4.11	4.09	4.58	4.19	4.16	10.65	3.82	3.94	3.28	2.91	2.65
22	4.17	4.11	4.10	4.54	4.15	4.69	10.46	3.76	4.36	3.26	2.89	2.64
23	4.15	4.10	4.10	4.67	4.13	6.14	8.91	3.72	4.56	3.23	2.87	2.62
24	4.11	4.10	4.09	4.63	4.10	5.84	5.90	3.68	3.98	3.20	2.86	2.60
25	4.10	4.10	4.08	4.60	4.06	4.71	5.47	3.66	3.75	3.16	2.83	2.60
26	4.08	4.10	4.06	4.49	4.16	4.41	6.64	3.64	3.68	3.17	2.81	2.58
27	4.07	4.12	4.09	4.35	4.28	4.28	6.92	3.61	3.65	3.22	2.80	2.56
28	4.05	4.12	4.09	4.30	5.04	4.17	5.49	3.59	3.75	3.25	2.77	2.55
29	4.05	4.11	4.09	4.29	---	4.11	5.06	3.58	6.12	3.50	2.75	2.53
30	4.04	4.12	4.06	4.33	---	4.10	5.60	3.56	8.47	3.63	2.73	2.51
31	4.04	---	4.09	4.56	---	4.09	---	3.55	---	3.53	2.71	---
MAX	4.22	4.12	4.13	4.67	5.04	6.14	10.86	5.93	8.47	5.71	3.69	2.69
MIN	2.85	4.03	4.03	4.10	4.06	4.06	3.80	3.55	3.17	3.16	2.71	2.37

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955-56, 1972-73, 1980 to current year.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: February 1981 to current year.
SUSPENDED-SEDIMENT DISCHARGE: February 1981 to current year

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 372 mg/L Aug. 3, 1982; minimum daily mean, no flow on many days during 1981 and 1982.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 583 tons (529 tonnes) Apr. 18, 1982; minimum daily, no flow on many days during 1981 and 1982.

EXTREMES FOR CURRENT YEAR.--
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 372 mg/L Aug. 3, 1982; minimum daily mean, no flow on many days.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 583 tons (529 tonnes) Apr. 18, 1982; minimum daily, no flow on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT								
21...	1330	115	5.9	18.0	70	15	3.7	1.5
JAN								
06...	0945	120	6.3	10.5	70	5.0	.8	2.5
APR								
14...	1540	299	6.6	17.5	70	7.0	4.9	.4
JUL								
08...	0740	184	6.4	25.5	120	15	5.7	2.9

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT									
21...	K55	4000	32	7.7	3.1	9.7	4.6	28	9.6
JAN									
06...	<5	240	34	8.0	3.4	8.4	4.8	41	3.0
APR									
14...	K90	1200	69	15	7.6	28	4.0	41	31
JUL									
08...	K120	2900	45	11	4.3	14	3.8	33	19

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT								
21...	7.0	.1	11	38	72	.05	.73	.29
JAN								
06...	[illegible]	<.1	12	43	74	.03	.52	.18
APR								
14...	35	.1	13	183	162	.35	.81	.18
JUL								
08...	17	.1	12	117	101	.28	1.0	.20

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)
OCT											
21...	--	1	<1	--	--	--	4	<1	--	10	<1
JUL											
08...	1	1	--	<10	<1	1	<1	--	<10	--	<1

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
OCT 21...	--	7	1	720	1500	--	5	10	430	60	<.1
JUL 08...	18	12	--	650	--	5	3	--	--	--	.2

DATE	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 21...	--	<.01	--	--	--	--	--	--	18	10	12
JUL 08...	<.1	--	4	6	<1	<1	.7	50	15	--	--

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)
OCT 21...	<.01	<1	<.1	1	<.1	<1	<.01	<.1	<.1	<1	<.01

DATE	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 21...	.2	<.01	<.1	<.01	<.1	.02	<.1	<.01	<.1	<.01	<.1

DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)
OCT 21...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 21...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 21...	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.01	<.01	<.01

< Actual value is known to be less than the value shown.

SABINE RIVER BASIN

08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	42	.02	48	.02	---	---	218	12	112	4.8
2	---	---	37	.01	52	.02	---	---	205	10	129	3.8
3	---	---	52	.02	55	.01	---	---	188	4.9	128	3.2
4	---	---	90	.02	59	.00	---	---	158	3.2	128	2.8
5	---	---	51	.01	35	.00	---	---	158	2.9	128	2.6
6	---	---	62	.01	50	.00	---	---	72	1.6	146	3.5
7	---	---	62	.00	53	.00	---	---	105	2.3	124	4.7
8	---	---	80	.00	74	.00	---	---	115	3.7	123	12
9	---	---	84	.00	---	---	---	---	64	1.7	98	5.6
10	57	.14	52	.00	---	---	---	---	82	4.4	129	4.5
11	61	.00	---	---	---	---	---	---	155	7.5	116	3.4
12	49	.29	---	---	---	---	---	---	132	3.3	96	2.3
13	55	.24	26	.00	---	---	---	---	116	2.8	55	1.2
14	56	.17	40	.00	66	.00	---	---	110	2.2	122	2.6
15	64	.15	71	.01	59	.00	---	---	116	2.1	142	2.9
16	63	.13	60	.01	---	---	---	---	128	2.2	116	2.3
17	63	.13	64	.01	---	---	---	---	131	2.2	144	2.9
18	57	.14	25	.00	---	---	130	2.7	143	2.5	122	2.5
19	65	.16	48	.01	---	---	101	1.8	123	2.5	102	2.0
20	69	.12	51	.01	---	---	103	1.7	119	2.1	136	2.5
21	84	.13	46	.00	---	---	115	2.7	120	1.9	141	3.2
22	72	.09	26	.00	---	---	158	3.7	123	1.8	182	12
23	47	.05	47	.00	---	---	151	4.5	97	1.4	312	99
24	50	.04	60	.00	---	---	154	4.2	72	.97	292	74
25	52	.04	56	.00	---	---	191	5.0	38	.47	207	14
26	50	.03	52	.00	---	---	170	3.7	70	1.1	118	4.1
27	33	.02	55	.01	---	---	138	2.2	100	1.9	118	3.2
28	33	.02	78	.02	---	---	129	1.9	106	6.0	123	2.9
29	25	.01	58	.01	---	---	125	1.8	---	---	167	3.4
30	26	.00	43	.01	---	---	230	3.6	---	---	182	3.7
31	34	.01	---	---	---	---	200	5.4	---	---	170	3.4

DAY	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN-TRATION (MG/L)	LOADS (T/DAY)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	163	3.0	165	29	192	2.0	163	50	293	1.7	---	.00
2	114	2.3	121	9.8	182	1.8	131	1.7	350	1.5	---	.00
3	118	2.9	89	4.3	162	1.5	283	2.5	372	1.1	---	.00
4	188	10	95	3.6	146	1.3	301	2.2	327	.97	---	.00
5	150	6.5	73	2.4	162	1.4	256	1.7	348	1.0	---	.00
6	158	4.7	134	4.3	124	1.0	281	1.6	304	.64	---	.00
7	185	4.4	112	6.4	122	.99	340	1.7	308	.45	---	.00
8	146	2.8	104	7.9	165	1.2	302	1.5	303	.37	---	.00
9	143	2.2	168	7.7	93	.65	278	1.3	288	.28	---	.00
10	142	1.8	146	4.3	187	1.3	240	1.0	290	.26	---	.00
11	146	2.0	131	3.1	184	1.2	225	.85	210	.10	---	.00
12	153	2.1	170	3.6	146	.99	306	1.1	241	.09	---	.00
13	165	2.1	192	7.8	184	1.2	297	.96	220	.06	---	.00
14	150	1.9	231	56	230	1.5	322	.96	148	.02	---	.00
15	143	1.8	291	92	166	1.0	218	.59	266	.00	---	.00
16	137	1.6	124	17	195	1.5	310	.79	---	.00	---	.00
17	137	335	114	4.9	192	1.4	339	.75	---	.00	---	.00
18	177	583	115	3.4	126	.88	330	.66	---	.00	---	.00
19	166	258	143	3.5	180	1.3	323	.58	---	.00	---	.00
20	160	190	144	3.1	216	1.6	305	.48	---	.00	---	.00
21	188	518	161	3.0	165	5.8	285	.37	---	.00	---	.00
22	121	286	140	2.3	147	7.5	298	.34	---	.00	---	.00
23	131	152	153	2.4	147	9.9	270	.24	---	.00	---	.00
24	146	44	175	2.5	132	3.3	258	.17	---	.00	---	.00
25	155	34	154	2.1	140	2.3	322	.14	---	.00	---	.00
26	177	79	144	1.9	72	1.0	286	.14	---	.00	---	.00
27	125	62	156	1.9	87	1.2	292	.24	---	.00	---	.00
28	157	36	156	1.9	153	3.4	350	.37	---	.00	---	.00
29	132	21	157	1.8	274	97	350	1.2	---	.00	---	.00
30	171	42	173	2.0	165	151	311	1.6	---	.00	---	.00
31	---	---	174	1.9	---	---	279	1.1	---	.00	---	---

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA

LOCATION.--Lat 31°52'30", long 93°39'30", in lot 38, T.10 N., R.13 W., De Soto Parish, Hydrologic Unit 12010004, near right bank on downstream side of bridge on State Highway 512, 2.2 mi (3.5 km) east of Benson, and 3.9 mi (6.3 km) upstream from Bear Creek.

DRAINAGE AREA.--80.2 mi^2 (207.7 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximums, water years, 1954-68. Occasional low-flow measurements, water years 1954-63, October 1977 to current year.

REVISED RECORDS.--WDR LA-80-1: 1958(M).

GAGE.--Water-stage recorder. Datum of gage is 208.67 ft (63.603 m) National Geodetic Vertical Datum of 1929. Oct. 29, 1953 to Sept. 30 , 1968, crest-stage gage at same site and datum.

REMARKS.--Water-discharge records good. Records of dissolved oxygen and water temperatures for water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--5 Years, 59.9 ft^3/s (1.696 m^3/s), 10.14 in/yr (258 mm/yr), 43,400 acre-ft/yr (53.5 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,300 ft^3/s (603 m^3/s) Sept. 20, 1958, gage height, 20.36 ft (6.206 m) from rating curve extended above 8,400 ft^3/s (238 m^3/s) on basis of velocity-area study; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 550 ft^3/s (16 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Apr. 18	0700	2,000	56.6	16.16	4.926
Apr. 20	2130	*4,500	127	*16.90	5.151

Minimum discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.74	2.9	1.6	63	39	14	48	4.2	18	3.7	.00
2	.00	.61	2.2	1.7	31	28	13	34	3.8	12	1.9	.00
3	.00	.49	1.7	2.1	17	22	13	27	3.6	6.7	1.0	.00
4	.00	.41	1.4	2.6	16	17	37	22	3.4	4.4	.53	.00
5	.00	.32	1.3	8.3	16	17	31	18	3.2	3.2	.25	.00
6	.04	.22	.96	10	18	16	56	16	3.0	2.5	.13	.00
7	.33	.33	.72	5.9	29	57	26	15	2.8	2.0	.06	.00
8	1.1	.45	.82	4.2	28	70	15	19	2.6	1.6	.16	.00
9	2.3	.61	.74	3.5	37	32	12	18	2.3	1.3	.34	.00
10	9.5	.52	.49	3.0	80	22	10	13	2.1	1.0	.34	.00
11	27	.37	.37	2.7	36	18	9.4	11	2.0	.73	.09	.00
12	7.7	.24	.28	2.7	20	16	9.4	9.6	2.7	.53	.00	.00
13	4.0	.27	.25	3.3	15	14	10	9.3	4.6	.34	.00	.00
14	2.6	.31	.53	6.3	12	13	9.3	16	6.9	.18	.00	.00
15	1.9	.49	.75	14	11	13	8.4	38	5.1	.00	.00	.00
16	1.4	.41	.60	9.6	173	12	7.9	23	9.5	.00	.00	.00
17	1.3	.32	.78	12	335	11	241	13	18	.00	.00	.00
18	1.3	.29	2.1	14	166	11	1320	10	11	.00	.00	.00
19	.88	.42	2.0	8.9	48	10	664	9.0	8.3	.00	.00	.00
20	.54	.53	1.7	6.8	32	9.2	2460	8.2	5.5	.00	.00	.00
21	.36	.57	1.6	6.4	25	19	2640	7.4	7.0	.00	.00	.00
22	.30	.61	1.6	8.6	21	181	1100	7.0	9.2	.00	.00	.00
23	.51	.59	1.5	29	18	229	620	6.4	10	.00	.00	.00
24	.74	.53	1.4	16	15	76	314	6.3	8.9	.00	.00	.00
25	.64	.56	1.4	11	14	40	170	6.0	6.0	.00	.00	.00
26	.40	.58	1.3	9.5	17	29	205	5.5	4.8	.00	.00	.00
27	.21	1.2	1.4	7.3	85	20	266	5.4	4.1	.00	.00	.00
28	.15	1.2	1.4	6.3	90	18	134	5.4	4.2	.31	.00	.00
29	.41	1.7	1.4	5.7	---	18	57	5.1	46	1.4	.00	.00
30	1.7	1.8	1.3	5.6	---	17	62	4.7	119	1.0	.00	.00
31	.83	---	1.5	19	---	15	---	4.4	---	3.0	.00	---
TOTAL	68.14	17.69	38.39	247.6	1468	1109.2	10534.4	440.7	323.8	60.19	8.50	.00
MEAN	2.20	.59	1.24	7.99	52.4	35.8	351	14.2	10.8	1.94	.27	.000
MAX	27	1.8	2.9	29	335	229	2640	48	119	18	3.7	.00
MIN	.00	.22	.25	1.6	11	9.2	7.9	4.4	2.0	.00	.00	.00
CFSM	.03	.007	.02	.10	.65	.45	4.38	.18	.14	.02	.003	.000
IN.	.03	.01	.02	.11	.68	.51	4.89	.20	.15	.03	.00	.00
AC-FT	135	35	76	491	2910	2200	20890	874	642	119	17	.00

CAL YR 1981 TOTAL 3991.12 MEAN 10.9 MAX 617 MIN .00 CFSM .14 IN 1.85 AC-FT 7920
WTR YR 1982 TOTAL 14316.61 MEAN 39.2 MAX 2640 MIN .00 CFSM .49 IN 6.64 AC-FT 28400

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.89	6.28	6.69	6.37	9.41	8.50	7.25	8.82	6.30	8.04	6.74	5.58
2	5.87	6.25	6.57	6.39	8.39	8.00	7.18	8.27	6.24	7.61	6.46	5.57
3	5.84	6.22	6.49	6.46	7.73	7.73	7.18	7.96	6.21	7.12	6.30	5.57
4	5.83	6.20	6.45	6.52	7.67	7.49	8.43	7.73	6.18	6.81	6.18	5.56
5	5.83	6.17	6.42	7.15	7.67	7.47	8.15	7.55	6.14	6.64	6.10	5.55
6	5.93	6.14	6.37	7.44	7.79	7.44	9.08	7.40	6.11	6.53	6.06	5.54
7	6.19	6.18	6.32	6.98	8.32	9.12	7.90	7.37	6.08	6.45	6.03	5.54
8	6.37	6.21	6.34	6.75	8.29	9.48	7.33	7.59	6.05	6.38	6.07	5.53
9	6.59	6.25	6.33	6.63	8.66	8.20	7.10	7.52	6.01	6.32	6.13	5.53
10	7.39	6.23	6.24	6.54	9.80	7.75	6.98	7.21	5.98	6.26	6.13	5.52
11	8.47	6.19	6.19	6.47	8.62	7.52	6.92	7.05	5.96	6.20	6.04	5.52
12	7.31	6.15	6.16	6.47	7.92	7.40	6.92	6.94	6.07	6.15	5.96	5.51
13	6.85	6.16	6.15	6.56	7.58	7.31	7.00	6.91	6.36	6.10	5.89	5.51
14	6.64	6.14	6.26	6.92	7.37	7.24	6.91	7.39	6.65	6.08	5.84	5.50
15	6.52	6.22	6.35	7.62	7.29	7.18	6.82	8.48	6.42	6.00	5.79	5.50
16	6.44	6.20	6.31	7.28	11.19	7.11	6.77	7.78	6.93	6.00	5.75	5.50
17	6.40	6.17	6.34	7.47	13.34	7.06	11.47	7.24	7.56	5.96	5.70	5.49
18	6.41	6.16	6.57	7.58	11.14	7.02	15.80	7.01	7.05	5.97	5.69	5.49
19	6.32	6.20	6.57	7.18	8.82	6.97	15.21	6.88	6.81	5.94	5.68	5.48
20	6.24	6.23	6.51	6.95	8.20	6.90	16.32	6.80	6.48	5.88	5.67	5.49
21	6.20	6.24	6.48	6.89	7.88	7.40	16.38	6.72	6.67	5.86	5.65	5.49
22	6.18	6.25	6.46	7.09	7.69	11.44	15.73	6.66	6.90	5.84	5.65	5.48
23	6.24	6.24	6.44	8.37	7.52	12.21	15.06	6.59	6.99	5.83	5.64	5.47
24	6.29	6.23	6.41	7.71	7.38	9.63	12.95	6.58	6.87	5.81	5.63	5.46
25	6.27	6.24	6.39	7.32	7.25	8.53	11.38	6.54	6.54	5.77	5.63	5.46
26	6.21	6.24	6.38	7.20	7.50	8.04	11.88	6.48	6.38	5.78	5.62	5.45
27	6.14	6.37	6.39	6.94	9.81	7.65	12.68	6.47	6.28	5.76	5.61	5.45
28	6.12	6.38	6.38	6.81	10.04	7.51	10.79	6.47	6.29	6.12	5.60	5.44
29	6.18	6.49	6.36	6.74	---	7.55	9.13	6.42	8.64	6.37	5.60	5.44
30	6.46	6.49	6.34	6.72	---	7.49	9.25	6.37	10.53	6.29	5.59	5.43
31	6.30	---	6.36	7.70	---	7.35	---	6.33	---	6.64	5.59	---
MAX	8.47	6.49	6.69	8.37	13.34	12.21	16.38	8.82	10.53	8.04	6.74	5.58
MIN	5.83	6.14	6.15	6.37	7.25	6.90	6.77	6.33	5.96	5.76	5.59	5.43

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955, 1972-73, 1978 to current year.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: February 1981 to current year.
SUSPENDED-SEDIMENT DISCHARGE: February 1981 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 852 mg/L May 5, 1981; minimum daily mean, no flow on many days during 1981 and 1982.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 2820 tons (2560 tonnes) June 8, 1981; minimum daily, no flow on many days during 1981 and 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT 20...	1715	133	6.4	20.0	80	20	6.3	--
JAN 06...	1250	193	6.5	11.0	50	3.0	8.5	1.8
APR 14...	1430	170	7.1	17.5	50	20	7.3	.7
JUL 08...	1120	179	6.4	26.0	120	25	4.1	2.8

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 20...	K70	K2100	38	10	3.1	11	4.8	31	14
JAN 06...	520	250	42	11	3.5	17	5.8	28	18
APR 14...	190	1700	40	9.4	3.9	17	3.1	26	13
JUL 08...	K400	3500	44	12	3.3	15	4.5	41	12

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT 20...	9.0	<.1	12	107	83	.15	.85	.15
JAN 06...	25	.1	20	129	118	.06	.27	.06
APR 14...	23	<.1	17	112	102	--	--	--
JUL 08...	16	.2	11	140	99	.28	1.3	.18

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)
OCT 20...	--	2	<1	--	--	--	6	<1	--	6	<1
JUL 08...	2	1	--	<10	<1	1	<1	--	10	--	<1

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
OCT 20...	--	7	4	750	1300	--	3	20	440	2100	<.1
JUL 08...	12	9	--	610	--	7	4	--	--	--	.1

DATE	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 20...	--	<.01	--	--	--	--	--	--	15	22	14
JUL 08...	.1	--	5	5	<1	<1	.3	20	15	--	--

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)
OCT 20...	<.01	<1	<.1	<1	<.1	<1	.01	<.1	<.1	<1	<.01

DATE	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 20...	<.1	<.01	<.1	<.01	<.1	.11	<.1	<.01	<.1	<.01	<.1

DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)
OCT 20...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

< Actual value is known to be less than the value shown.

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
20...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
20...	<.01	<.1	<.1	<1	<.01	<.1	.07	<.01	.06	<.01

DATE	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT		
21...	68	94
JAN		
06...	68	98
APR		
14...	61	88
JUL		
08...	78	94

< Actual value is known to be less than the value shown.

08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	E 298	.60	345	2.7	240	1.0	---	---	852	90
2	---	---	331	.55	432	2.6	E 203	.93	---	---	748	57
3	---	---	245	.32	363	1.7	E 206	1.2	---	---	610	36
4	---	---	346	.38	268	1.0	E 210	1.5	---	---	490	22
5	---	---	519	.45	E 222	.78	276	6.2	---	---	460	21
6	---	---	---	---	E 223	.58	457	12	---	---	E 502	22
7	---	---	---	---	243	.47	499	7.9	---	---	E 658	101
8	---	---	---	---	287	.64	318	3.6	---	---	690	130
9	118	.73	---	---	181	.36	E 188	1.8	369	37	604	52
10	---	---	---	---	235	.31	E 128	1.0	302	65	516	31
11	---	---	---	---	265	.26	112	.82	479	47	580	28
12	239	5.0	---	---	E 228	.17	304	2.2	452	24	415	18
13	285	3.1	---	---	E 210	.14	441	3.9	392	16	E 391	15
14	220	1.5	---	---	194	.28	387	6.6	370	12	E 444	16
15	216	1.1	---	---	207	.42	383	14	368	11	472	17
16	193	.73	---	---	222	.36	E 237	6.1	370	173	626	20
17	E 183	.64	---	---	268	.56	E 206	6.7	471	426	595	18
18	E 186	.65	---	---	330	1.9	177	6.7	400	179	636	19
19	206	.49	---	---	E 271	1.5	216	5.2	451	58	615	17
20	242	.35	---	---	E 235	1.1	342	6.3	E 462	40	E 537	13
21	246	.24	---	---	205	.89	377	6.5	E 381	26	E 602	31
22	E 231	.19	---	---	155	.67	288	6.7	320	18	718	351
23	221	.30	---	---	185	.75	E 246	19	310	15	511	316
24	E 210	.42	---	---	221	.84	E 246	11	338	14	434	89
25	E 213	.37	---	---	164	.62	307	9.1	335	13	452	49
26	198	.21	---	---	E 137	.48	356	9.1	476	22	482	38
27	206	.12	---	---	E 142	.54	---	---	E 670	154	E 535	29
28	152	.06	---	---	200	.76	---	---	E 788	191	E 582	28
29	179	.20	E 207	.95	325	1.2	---	---	---	---	608	30
30	258	1.2	218	1.1	430	1.5	---	---	---	---	---	---
31	E 280	.63	---	---	348	1.4	---	---	---	---	---	---

DAY	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)	MEAN CONCENTRATION (MG/L)	LOADS (T/DAY)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	E 381	49	414	4.7	518	25				
2	---	---	E 420	39	378	3.9	428	14				
3	---	---	474	35	372	3.6	E 371	6.7				
4	---	---	584	35	322	3.0	E 359	4.3				
5	---	---	406	20	E 312	2.7	361	3.1				
6	---	---	---	---	E 362	2.9	404	2.7				
7	---	---	---	---	503	3.8	454	2.5				
8	400	16	---	---	590	4.1	594	2.6				
9	467	15	---	---	494	3.1	617	2.2				
10	E 556	15	---	---	E 453	2.6	---	---				
11	E 636	15	---	---	434	2.3	---	---				
12	660	17	---	---	E 442	3.2	---	---				
13	512	14	---	---	E 478	5.9	---	---				
14	462	12	---	---	469	8.7	---	---				
15	482	11	---	---	342	5.3	---	---				
16	---	---	---	---	369	9.5	---	---				
17	---	---	---	---	459	22	---	---				
18	---	---	---	---	681	20	---	---				
19	---	---	---	---	E 598	13	---	---				
20	---	---	---	---	E 486	7.2	---	---				
21	396	2820	---	---	443	8.4	---	---				
22	418	1240	---	---	533	13	---	---				
23	470	787	---	---	419	11	---	---				
24	E 478	405	385	6.5	380	9.1	---	---				
25	E 474	218	309	5.0	443	7.2	---	---				
26	466	259	358	5.3	E 422	5.5	---	---				
27	490	352	492	7.2	E 404	4.5	---	---				
28	514	186	496	7.2	373	4.2	---	---				
29	545	84	E 442	6.1	305	38	---	---				
30	426	71	E 396	5.0	369	125	---	---				
31	---	---	385	4.6	---	---	---	---				

E Estimated.

08025350 TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX

LOCATION.--Lat 31°10'25", long 93°33'57", Newton County, Hydrologic Unit 12010004, in powerhouse at right end of Toledo Bend Dam on Sabine River, 15 mi (24 km) northeast of Burkeville, and at mile 156.5 (251.8 km).

DRAINAGE AREA.--7,178 mi^2 (18,591 km^2).

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Sabine River Authority). Prior to July 20, 1967, nonrecording gage at same site and datum. July 20, 1967, to June 30, 1973, recording gage at right end of spillway 1.6 mi (2.6 km) north of present site and at same datum.

REMARKS.--The reservoir is formed by a rolled earthfill dam. Closure of embankment completed and deliberate impoundment was begun Oct. 3, 1966. The reservoir is operated for hydro-electric-power generation and water conservation. Releases during high inflow periods are controlled by eleven 40- by 28-ft (12- by 9-m) tainter gates. An 8.33- by 12.00-ft (2.54- by 4.00-m) gated conduit through the dam is used for low-flow releases. Two additional 20-inch diameter (508-mm) conduits, which bypass the larger conduit, may also be used for low-flow releases. Water for turbines is admitted through four 16.75- by 29.00 ft (5.11- by 9.00-m) penstocks and controlled by vertically operated caterpillar-type gates. The capacity table is based on Geological Survey topographic maps. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see station 08019000, WDR TX-81. For statement regarding regulation by upstream reservoirs, see station 08018500, WDR TX-81. Figures given herein represent total contents. Data regarding the dam and reservoir are given in the following table:

	Elevation (feet)	Capacity (acre-feet)
Top of dam	185.0	---
Design flood	175.3	5,102,000
Top of gates	173.0	4,660,000
Top of power drawdown storage	172.0	4,476,000
Top of power-head storage	162.2	2,922,000
Crest of spillway (controlled)	145.0	1,162,000
Lowest gates outlet (invert)	100.0	4,090

COOPERATION.--Capacity table furnished by the Sabine River Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 4,739,000 acre-ft (5.84 km^3) Mar. 21, 1969, elevation, 173.42 ft (52.858 m); minimum since initial filling of reservoir in June 1968, 3,433,000 acre-ft (4.23 km^3) Nov. 27, 1977, elevation, 165.74 ft (50.518 m).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 4,513,000 acre-ft (5.56 km^3) Apr. 22, 23, 172.20 ft (52.487 m); minimum 3,832,000 acre-ft (4.72 km^3) Sept. 30, elevation, 168.27 ft (51.289 m).

Capacity table (elevation, in feet, and total contents, in acre-feet)

166.0	3,473,000	172.0	4,476,000
168.0	3,788,000	173.0	4,660,000
170.0	4,123,000		

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 2400

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3903000	3938000	4040000	4016000	4099000	4024000	4153000	4458000	4320000	4338000	4182000	3926000
2	3902000	3941000	4035000	4023000	4123000	4019000	4184000	4444000	4302000	4333000	4179000	3926000
3	3885000	3936000	4058000	4035000	4123000	4007000	4189000	4408000	4299000	4329000	4170000	3936000
4	3885000	3940000	4041000	4021000	4115000	4038000	4180000	4372000	4320000	4333000	4163000	3925000
5	3892000	3941000	4028000	4006000	4153000	4052000	4243000	4347000	4317000	4331000	4147000	3920000
6	3903000	3951000	4023000	4024000	4126000	4058000	4180000	4324000	4313000	4336000	4126000	3920000
7	3918000	3945000	4038000	4053000	4123000	4040000	4179000	4320000	4308000	4342000	4144000	3913000
8	3907000	3970000	4038000	4019000	4140000	4035000	4213000	4320000	4295000	4336000	4140000	3910000
9	3916000	4001000	4036000	4013000	4146000	4050000	4189000	4327000	4294000	4333000	4126000	3895000
10	3918000	3982000	4023000	4045000	4125000	4045000	4210000	4327000	4297000	4336000	4116000	3890000
11	3916000	3984000	4038000	3996000	4120000	4055000	4187000	4324000	4281000	4351000	4096000	3892000
12	3910000	3985000	4038000	4048000	4126000	4055000	4175000	4320000	4295000	4351000	4089000	3875000
13	3903000	3987000	4052000	4069000	4092000	4064000	4196000	4333000	4287000	4333000	4075000	3868000
14	3907000	3987000	4050000	4009000	4089000	4072000	4196000	4349000	4266000	4311000	4077000	3890000
15	3916000	3990000	4033000	4023000	4126000	4072000	4193000	4342000	4245000	4290000	4075000	3890000
16	3916000	3999000	4024000	4039000	4137000	4086000	4198000	4336000	4280000	4281000	4055000	3895000
17	3913000	4002000	4075000	4014000	4140000	4089000	4276000	4369000	4285000	4283000	4058000	3887000
18	3953000	3990000	4026000	4018000	4106000	4087000	4295000	4365000	4278000	4283000	4043000	3883000
19	3925000	4033000	4009000	4021000	4094000	4089000	4340000	4369000	4287000	4280000	4024000	3898000
20	3916000	4019000	3979000	4019000	4089000	4092000	4440000	4370000	4276000	4250000	4006000	3890000
21	3931000	4007000	4018000	4021000	4086000	4146000	4489000	4383000	4295000	4262000	4006000	3890000
22	3967000	4002000	4047000	4043000	4069000	4135000	4513000	4387000	4299000	4245000	4007000	3875000
23	3941000	4024000	4026000	4048000	4057000	4146000	4500000	4369000	4302000	4234000	3975000	3865000
24	3923000	4018000	4026000	4045000	4058000	4158000	4493000	4369000	4309000	4236000	3956000	3865000
25	3953000	3934000	4007000	4067000	4060000	4184000	4463000	4370000	4311000	4233000	3950000	3862000
26	3928000	4024000	4026000	4047000	4070000	4161000	4472000	4349000	4302000	4207000	3941000	3850000
27	3929000	4028000	4016000	4055000	4045000	4173000	4471000	4333000	4304000	4207000	3948000	3837000
28	3931000	4031000	4036000	4058000	4030000	4161000	4472000	4331000	4324000	4193000	3946000	3841000
29	3925000	4035000	4021000	4039000	---	4123000	4480000	4329000	4336000	4189000	3940000	3836000
30	3928000	4036000	4014000	4091000	---	4154000	4480000	4327000	4338000	4175000	3935000	3837000
31	3920000	---	4035000	4096000	---	4160000	---	4352000	---	4196000	3940000	---
MAX	3967000	4036000	4075000	4096000	4153000	4184000	4513000	4458000	4338000	4351000	4182000	3936000
MIN	3885000	3936000	3979000	3996000	4030000	4007000	4153000	4320000	4245000	4175000	3935000	3836000
(†)	168.80	169.49	169.48	169.84	169.45	170.21	172.02	171.31	171.23	170.42	168.92	168.30
(‡)	+13000	+116000	-1000	+61000	-66000	+130000	+320000	-128000	-14000	-142000	-256000	-103000

CAL YR 1981 MAX 4490000 MIN 3597000 † +410,000
WTR YR 1982 MAX 4513000 MIN 3836000 ‡ -70,000

† Elevation, in feet, at end of month.
‡ Change in contents, in acre-feet.

08025360 SABINE RIVER AT TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX

LOCATION.--Lat 31°10'25", long 93°33'57", Newton County, Hydrologic Unit 12010005, in powerhouse at right end of Toledo Bend Dam, 10 mi (16 km) upstream from gaging station Sabine River near Burkeville (station 08026000), and at mile 156.5 (251.8 km).

DRAINAGE AREA.--7,178 mi^2 (18,591 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorders. Datum of gages is National Geodetic Vertical Datum of 1929 (levels by Sabine River Authority).

REMARKS.--Water-discharge records fair. Discharges prior to Apr. 23 are the result of tainter gate releases, which are computed using tainter gate rating. Low flows during period Apr. 23 to Sept. 30 are based on operation logs and discharge measurements and include tainter gate releases, turbine leakage, and low-flow sluiceway discharges. Discharges during turbine release periods are based on scroll case differential pressure-discharge relationships.

AVERAGE DISCHARGE.--11 years, 5,311 ft^3/s (150.4 m^3/s), 3,848,000 acre-ft/yr (4.74 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 67,000 ft^3/s (1,900 m^3/s) Jan. 28, 1974; minimum daily, 30 ft^3/s (0.85 m^3/s) estimated Oct. 1-4, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 30,400 ft^3/s (861 m^3/s) Apr. 22; minimum daily, 144 ft^3/s (4.08 m^3/s) on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	161	894	894	894	531	4120	2430	15100	7640	5630	204	783
2	144	894	894	894	519	2140	144	15300	5040	5640	5590	779
3	144	894	894	894	519	2140	144	13200	5090	204	5600	1340
4	394	894	894	894	519	2140	144	14800	3910	204	5620	204
5	519	894	894	894	519	2140	144	15000	204	204	5580	204
6	519	894	894	894	519	2140	144	15100	204	1670	5660	930
7	519	894	894	894	519	2140	144	10100	3820	3360	204	790
8	519	894	894	894	3750	1100	144	257	3840	3550	204	788
9	519	894	894	894	7140	144	144	518	3950	3420	5810	774
10	790	894	894	894	7140	144	144	188	3810	204	6120	1360
11	894	894	894	894	7140	144	144	204	3860	204	5710	204
12	894	894	894	894	7140	144	144	204	204	411	5520	204
13	894	894	894	560	7140	144	144	204	204	3950	5560	778
14	894	894	894	894	7140	144	144	6820	3910	5000	204	766
15	894	894	894	894	7140	144	144	7570	3820	5620	204	775
16	894	894	894	519	7140	144	144	7600	204	5710	5440	782
17	894	894	894	519	7140	144	144	5090	204	204	4610	1370
18	894	894	894	519	7140	144	144	5100	204	204	5500	909
19	894	894	894	519	7140	144	144	4980	204	5570	5580	174
20	894	894	894	519	7140	144	3640	5080	204	5610	5550	787
21	894	894	894	519	7140	144	17800	5130	204	5420	204	789
22	894	894	894	519	7140	144	30400	5020	204	5610	204	785
23	894	894	894	519	7140	144	23600	5080	204	5510	5580	799
24	894	894	894	519	7140	144	19800	2460	204	204	5770	803
25	894	894	894	519	7140	144	19000	6080	204	204	5750	1430
26	894	894	894	519	7140	3370	16500	7610	204	5270	204	174
27	894	894	894	519	7140	5140	14000	4780	204	4530	204	800
28	894	894	894	538	7140	5140	9130	6410	3370	5610	204	802
29	894	894	894	549	---	5140	7200	7740	204	2800	204	814
30	894	894	894	549	---	5140	10700	7670	4440	4050	1260	1080
31	894	---	894	549	---	5140	---	7930	---	196	763	---
TOTAL	23002	26820	27714	21489	150195	49578	176792	208325	59968	95973	104817	22977
MEAN	742	894	894	693	5364	1599	5893	6720	1999	3096	3381	766
MAX	894	894	894	894	7140	5140	30400	15300	7640	5710	6120	1430
MIN	144	894	894	519	519	144	144	188	204	196	204	174
AC-FT	45620	53200	54970	42620	297900	98340	350700	413200	118900	190400	207900	45570

CAL YR 1981 TOTAL 605394 MEAN 1659 MAX 8160 MIN 144 AC-FT 1201000
WTR YR 1982 TOTAL 967650 MEAN 2651 MAX 30400 MIN 144 AC-FT 1919000

08025360 SABINE RIVER AT TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968 to current year.

REMARKS.--Data furnished by Texas District.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)
NOV 04...	0815	170	6.8	17.0	9.8	1.2	31	7.0	3.3	17	3.0	22
JAN 27...	0905	162	7.2	9.5	13.0	1.2	32	7.4	3.2	17	3.3	21
MAR 10...	1315	160	6.7	12.0	12.0	.7	31	7.0	3.2	18	3.0	18
MAY 26...	1445	172	7.3	22.0	7.5	.9	28	6.1	3.1	19	2.9	16
JUL 08...	1315	178	7.0	26.5	8.0	1.2	28	5.9	3.2	20	3.1	15
SEP 29...	1255	180	6.9	14.0	10.2	1.2	31	7.2	3.2	19	3.0	24

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
NOV 04...	19	23	.1	5.7	91	.00	<.09	.11	.43	.54	.02
JAN 27...	15	22	.1	5.8	87	<.02	<.09	.08	.62	.70	<.01
MAR 10...	17	25	.1	5.5	90	<.02	<.09	.08	.41	.49	.00
MAY 26...	18	26	<.1	4.3	89	<.02	<.10	.11	.49	.60	<.01
JUL 08...	19	29	.1	4.2	94	<.02	<.10	.07	1.3	1.4	.03
SEP 29...	16	28	.1	6.2	97	<.02	<.10	<.06	--	1.3	.05

< Actual value is known to be less than the value shown.

08026000 SABINE RIVER NEAR BURKEVILLE, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1968 to current year.
WATER TEMPERATURES: May 1968 to current year.

REMARKS.--Data furnished by Texas District. Daily values for the 1982 water year are available from the Texas Report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	HARDNESS (MG/L AS CACO3)
NOV 04...	1025	406	165	7.1	18.5	10	2.7	9.0	1.0	30
JAN 26...	1405	366	156	7.0	11.0	10	3.0	14.0	.4	30
MAR 10...	0955	345	144	6.7	13.0	20	8.9	9.6	1.0	29
MAY 26...	1215	4560	166	7.0	22.5	5	9.5	6.9	1.0	28
JUL 08...	1025	1630	168	7.0	27.0	<1	2.0	8.0	1.1	29
SEP 29...	1545	328	175	7.2	24.5	10	.70	8.3	.9	28

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
NOV 04...	7.4	2.8	15	2.9	24	10	22	.1	7.2	82
JAN 26...	7.1	2.9	17	3.1	23	12	22	.1	9.2	87
MAR 10...	7.0	2.8	17	2.8	19	16	23	.1	12	92
MAY 26...	6.1	3.1	18	2.9	19	12	26	<.1	5.4	85
JUL 08...	6.3	3.2	20	3.2	16	20	28	.1	5.0	95
SEP 29...	6.0	3.2	21	3.1	17	20	29	.1	5.6	98

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 04...	8	7	1	.01	<.09	.19	.28	.47	.02	5.3
JAN 26...	3	2	1	<.02	<.09	<.07	--	.40	.02	5.4
MAR 10...	22	15	7	<.02	<.09	.10	.50	.60	.00	5.9
MAY 26...	10	6	4	<.02	<.10	.12	.48	.60	<.01	5.7
JUL 08...	<2	--	<2	<.02	<.10	.06	1.1	1.2	.04	5.8
SEP 29...	2	1	1	<.02	<.10	.08	1.1	1.2	.03	5.4

DATE	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)
NOV 04...	2	55	1	<10	1	130	2	260	.1	<1	<1	8
MAR 10...	1	54	<1	<10	1	52	2	86	.2	<1	1	<3

< Actual value is known to be less than the value shown.

08025500 BAYOU TORO NEAR TORO, LA

LOCATION.--Lat 31°18'25", long 93°30'56, in SW1/4 sec.20, T.4 N., R.11 W., Sabine Parish, Hydrologic Unit 12010005, near right bank on downstream side of bridge on state highway 473, 0.2 mi (0.3 km) upstream from Hamby Creek, 2.5 mi (4.0 km) northeast of Toro, and 7.8 mi (12.5 km) west of Hornbeck.

DRAINAGE AREA.--148 mi^2 (383 km^2).

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 138.00 ft (42.062 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--27 years, 138 ft^3/s (3.908 m^3/s), 12.66 in/yr (322 mm/yr), 99,980 acre-ft/yr (123 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,200 ft^3/s (884 m^3/s) Apr. 9, 1968, gage height, 25.73 ft (7.842 m) from rating curve extended above 13,000 ft^3/s (368 m^3/s); minimum 0.1 ft^3/s (0.003 m^3/s) Sept. 29, 30, Oct. 1-3, 1956; minimum gage height, 2.40 ft (0.732 m) Sept. 30, Oct. 1, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft^3/s (34 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Feb. 16	0630	2,480	70.2	13.76	4.194
Apr. 17	1045	2,160	61.2	12.91	3.935
Apr. 22	1745	*2,820	79.9	*14.58	4.444

Minimum discharge, 2.3 ft^3/s (0.065 m^3/s) Nov. 20, 21, 22; minimum gage height, 2.63 ft (0.802 m) Sept. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	7.4	11	12	136	93	194	337	15	13	5.0	3.0
2	4.9	8.1	12	14	68	69	104	140	13	15	5.7	3.3
3	5.2	8.2	9.3	19	46	58	163	97	13	16	14	3.9
4	4.7	7.2	7.9	35	38	53	158	78	12	11	12	3.6
5	4.4	4.8	6.3	41	33	48	78	67	11	8.3	9.2	3.8
6	5.5	3.5	5.8	27	31	54	53	59	11	7.2	6.9	3.4
7	13	2.6	5.7	20	31	91	40	54	10	6.3	11	3.1
8	13	2.5	5.2	15	35	94	33	50	9.4	5.7	15	2.9
9	15	12	5.8	13	180	65	30	45	9.0	5.5	18	2.8
10	21	12	5.9	11	182	51	31	41	8.5	5.0	19	2.6
11	17	12	5.9	10	87	46	32	37	8.2	4.8	13	2.9
12	12	7.1	5.9	16	51	43	33	34	7.9	4.9	11	3.7
13	9.8	4.9	5.7	70	37	41	30	35	7.5	5.5	28	3.6
14	7.8	4.0	6.2	80	30	38	26	397	7.3	4.9	25	3.7
15	6.7	3.4	6.7	56	175	36	24	606	7.0	4.9	14	4.5
16	6.0	3.0	6.6	40	2220	34	23	204	7.8	4.3	10	4.3
17	6.3	2.9	8.0	32	1460	32	1450	93	8.6	4.1	7.3	4.4
18	8.1	2.8	8.6	25	713	30	1260	65	7.7	4.1	6.2	3.6
19	9.1	2.6	7.8	20	181	28	442	65	7.5	4.1	5.7	3.2
20	8.8	2.5	8.7	17	116	27	375	92	8.1	3.9	5.2	11
21	7.5	2.4	10	14	89	26	2180	53	19	4.1	4.9	16
22	6.1	2.5	10	12	74	31	2630	40	32	3.7	4.5	11
23	5.2	2.8	10	11	63	92	2160	34	27	7.4	4.2	8.3
24	4.3	2.9	11	13	56	65	694	29	19	7.4	3.9	6.0
25	5.4	3.1	9.9	17	51	49	507	26	13	14	3.7	4.7
26	6.5	3.3	8.9	14	79	44	468	24	11	17	3.4	4.1
27	6.3	3.4	8.4	13	183	38	349	23	11	9.9	3.3	3.6
28	6.2	3.7	8.4	12	161	45	219	22	27	6.8	3.1	3.4
29	4.9	4.9	7.8	12	---	53	149	21	51	5.7	3.0	3.3
30	4.1	11	7.5	15	---	49	136	18	19	5.4	3.0	3.2
31	3.7	---	10	156	---	252	---	17	---	4.9	3.0	---
TOTAL	243.9	153.5	246.9	862	6606	1775	14071	2903	418.5	224.8	281.2	140.9
MEAN	7.87	5.12	7.96	27.8	236	57.3	469	93.6	14.0	7.25	9.07	4.70
MAX	21	12	12	156	2220	252	2630	606	51	17	28	16
MIN	3.7	2.4	5.2	10	30	26	23	17	7.0	3.7	3.0	2.6
CFSM	.05	.04	.05	.19	1.60	.39	3.17	.63	.10	.05	.06	.03
IN.	.06	.04	.06	.22	1.66	.45	3.54	.73	.11	.06	.07	.04
AC-FT	484	304	490	1710	13100	3520	27910	5760	830	446	558	279

CAL YR 1981 TOTAL 16337.6 MEAN 44.8 MAX 2760 MIN 2.4 CFSM .30 IN 4.11 AC-FT 32410
WTR YR 1982 TOTAL 27926.7 MEAN 76.5 MAX 2630 MIN 2.4 CFSM .52 IN 7.02 AC-FT 55390

08025500 BAYOU TORO NEAR TORO, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.86	3.24	3.43	3.32	4.93	4.49	5.27	6.12	3.26	3.19	2.84	2.66
2	2.83	3.28	3.44	3.38	4.28	4.23	4.59	4.90	3.21	3.26	2.88	2.69
3	2.85	3.31	3.33	3.54	4.01	4.10	5.00	4.53	3.18	3.28	3.21	2.73
4	2.82	3.28	3.26	3.86	3.86	4.02	5.02	4.34	3.16	3.11	3.15	2.71
5	2.80	3.16	3.17	3.98	3.77	3.95	4.34	4.21	3.14	3.01	3.05	2.73
6	2.85	3.09	3.14	3.71	3.74	4.02	4.03	4.10	3.12	2.96	2.94	2.70
7	3.20	3.03	3.13	3.52	3.74	4.48	3.82	4.04	3.09	2.91	3.11	2.68
8	3.19	3.04	3.10	3.40	3.79	4.50	3.70	3.98	3.06	2.88	3.23	2.67
9	3.26	3.55	3.12	3.31	5.22	4.18	3.63	3.91	3.04	2.86	3.33	2.65
10	3.43	3.58	3.12	3.26	5.25	4.00	3.65	3.84	3.02	2.84	3.36	2.64
11	3.32	3.54	3.12	---	4.49	3.91	3.68	3.77	3.01	2.82	3.19	2.66
12	3.18	3.34	3.11	---	4.06	3.87	3.69	3.71	2.99	2.83	3.09	2.74
13	3.11	3.22	3.10	---	3.85	3.83	3.63	3.74	2.98	2.87	3.56	2.73
14	3.03	3.15	3.11	---	3.71	3.79	3.56	6.28	2.96	2.83	3.49	2.74
15	2.99	3.10	3.13	---	4.60	3.76	3.51	7.52	2.95	2.83	3.21	2.80
16	2.97	3.06	3.13	---	13.07	3.72	3.48	5.32	2.99	2.79	3.06	2.78
17	2.99	3.05	3.19	---	10.86	3.68	10.26	4.49	3.02	2.78	2.94	2.78
18	3.09	3.03	3.22	---	7.89	3.64	10.17	4.18	2.98	2.78	2.88	2.74
19	3.15	3.01	3.17	---	5.19	3.60	6.67	4.17	2.97	2.78	2.85	2.71
20	3.14	2.99	3.21	---	4.71	3.56	6.22	4.47	3.00	2.76	2.82	3.07
21	3.09	2.98	3.25	---	4.46	3.56	12.92	4.02	3.33	2.78	2.80	3.28
22	3.03	2.98	3.26	---	4.29	3.66	14.13	3.83	3.64	2.75	2.77	3.14
23	2.99	3.00	3.27	---	4.16	4.48	12.89	3.71	3.58	2.92	2.75	3.01
24	2.95	3.02	3.30	---	4.06	4.18	7.82	3.62	3.38	2.96	2.74	2.90
25	3.03	3.02	3.25	3.39	3.99	3.97	7.04	3.56	3.20	3.23	2.71	2.82
26	3.11	3.03	3.21	3.30	4.29	3.89	6.83	3.51	3.12	3.31	2.70	2.77
27	3.10	3.04	3.18	3.26	5.21	3.78	6.21	3.47	3.11	3.08	2.68	2.74
28	3.11	3.05	3.17	3.24	5.05	3.91	5.44	3.45	3.58	2.94	2.67	2.73
29	3.05	3.12	3.16	3.23	---	4.02	4.97	3.43	3.98	2.88	2.67	2.72
30	3.01	3.40	3.13	3.31	---	3.96	4.85	3.36	3.37	2.86	2.66	2.71
31	3.00	---	3.24	5.07	---	5.62	---	3.31	---	2.83	2.66	---
MAX	3.43	3.58	3.44	5.07	3.07	5.62	14.13	7.52	3.98	3.31	3.56	3.28
MIN	2.80	2.98	3.10	---	3.71	3.56	3.48	3.31	2.95	2.75	2.66	2.64

08025606 BAYOU TORO NEAR TOLEDO BEND, NEAR TORO, LA

LOCATION.--Lat 31°12'12", long 93°32'39", on line between sec. 25 and 36, T.2 N., R.,11 W., Vernon Parish, Hydrologic Unit 12010005, near left bank on downstream side of bridge on State Highway 392, 1.8 mi (2.9 km) upstream from mouth and 7.3 mi (11.8 km) south of Toro.

DRAINAGE AREA.--205 mi^2 (531 km^2).

PERIOD OF RECORD.--June 1966 to July 1974 low-flow measurements and occasional miscellaneous measurements. October 1976 to current year (elevations only).

REVISED RECORDS.--WDR LA-79-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--No elevations recorded below 91.80 ft (27.981 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 109.66 ft (33.424 m) Apr. 22, 1982; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 109.66 ft (33.424 m) Apr. 22; minimum not determined.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		91.98	91.96	91.87	92.56	93.91	92.98	93.95	91.83	91.94		
2		91.91	91.88	91.86	92.39	92.39	92.66	94.09	90.82	91.84		
3		91.84	91.86	91.90	92.24	92.31	92.81	94.00	91.80	91.85		
4		91.83	91.82	92.10	92.15	92.26	92.85	93.64		91.82		
5		91.81	91.80	92.10	92.10	92.21	92.48	93.78		91.81		
6				92.06	92.09	92.18	92.29	93.86	91.81	91.82		
7	92.03			91.97	92.09	92.51	92.17	93.88	91.81	91.82		
8	92.00			91.90	92.07	92.47	---	92.17	91.81	91.81		
9	91.88	92.21		91.86	94.36	92.36	---	92.13	91.82	91.80	91.84	
10	91.87	91.98		91.83	94.27	92.25	---	92.09	91.82		91.82	
11	91.88	91.92		91.81	94.13	92.19	---	92.06	91.81		91.82	
12	91.81	91.90		91.81	94.05	92.17	---	92.03	91.80			
13		91.83		92.18	94.02	92.16	---	92.02				
14			91.85	92.25	93.98	---	---	92.64			91.95	
15				92.23	93.93	---	---	94.16			91.84	
16				92.17	99.20	---	---	93.07	91.81			
17			91.80	92.14	97.18	---	94.95	92.49	91.81			
18				92.14	96.08	---	94.95	92.32	91.82			
19				92.07	94.28	---	94.13	92.34	91.82			
20				92.01	94.10	---	93.00	92.44	91.81			
21			91.84	91.98	94.02	---	97.88	92.25	91.81			91.85
22			91.85	91.95	93.99	---	109.41	92.12	92.23			91.80
23			91.83	91.93	93.94	---	107.99	92.06	91.98			
24			91.81	91.90	93.91	92.35	102.81	92.02	91.90	92.01		
25			91.83	91.89	93.87	92.23	100.50	91.99	91.85			
26	91.80		91.81	91.88	93.86	92.15	97.52	91.97	91.82	91.86		
27			91.80	91.86	94.09	92.31	97.02	91.95	91.82	91.82		
28				91.85	94.07	92.35	93.87	91.92	91.80			
29				91.85	---	92.35	92.73	91.90	93.00			
30		91.99		91.84	---	92.34	92.58	91.88	92.13			
31		---	91.88	92.73	---	94.54	---	91.85	---			---
MAX	92.03	92.21	21.96	92.73	99.20	94.54	109.41	94.16	93.00	92.01	91.95	---
MIN	---	---	---	91.81	92.07	---	---	91.85	---	---	---	---

NOTE.--No gage-height record Mar. 14-23, Apr. 8-16.

08026000 SABINE RIVER NEAR BURKEVILLE, TX

LOCATION.--Lat 31°03'50", long 93°31'10", Newton County, Texas - Vernon Parish, Louisiana State line, Hydrologic Unit 12010005, near left edge of low-water channel at downstream side of bridge on State Highway 63, about 200 ft (61 m) downstream from Pearl Creek, 10 mi (16 km) northeast of Burkville, 16 mi (26 km) downstream from Bayou Toro, and at mile 139.7 (224.8 km).

DRAINAGE AREA.--7,482 mi^2 (19,378 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1955 to current year. Published as "below Toledo Bend near Burkeville" for period 1955-75.

REVISED RECORDS.--WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 70.59 ft (21.516 m) National Geodetic Vertical Datum of 1929. Prior to Aug. 23, 1958, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records fair except those for periods of no gage height record, which are poor. Flow regulated by Toledo Bend Reservoir (station 08025350) 16.8 mi(27.0 km) upstream, capacity, 4,660,000 acre-ft (5.75 km^3).

AVERAGE DISCHARGE.--11 years (water years 1956-66) prior to completion of Toledo Bend Reservoir, 4,653 ft^3/s (131.8 m^3/s), 3,371,000 acre-ft/yr (4.16 km^3/yr); 16 years (water years 1967-82) regulated, 4,890 ft^3/s (138.5 m^3/s), 3,543,000 acre-ft/yr (4.37 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,600 ft^3/s (2,280 m^3/s) Jan. 29, 1974, gage height, 34.20 ft (10.424 m); minimum daily, 38 ft^3/s (1.08 m^3/s) Sept. 14, 15, 1967.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1860, 35.9 ft (10.94 m) in May 1884, from information by local resident. Flood of Apr. 15, 1945, reached a stage of 35.8 ft (10.91 m), and flood of May 23, 1953, reached a stage of 35.3 ft (10.76 m) from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,400 ft^3/s (833 m^3/s) Apr. 22, gage height, 25.05 ft (7.635 m); minimum daily, 162 ft^3/s (4.59 m^3/s) Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	495	902	1090	1030	1000	5670	4730	14300	7700	5700	500	820
2	195	858	1020	989	857	2640	994	15100	5100	5700	5300	820
3	162	821	960	989	777	2360	499	13800	5150	1000	5650	1400
4	204	785	924	1000	731	2310	482	14400	4000	500	5700	800
5	439	790	924	1020	702	2280	402	14700	1000	350	5600	400
6	599	784	924	1020	713	2280	286	14800	500	1400	5700	800
7	794	788	924	1020	705	2360	234	13400	3500	3400	1000	820
8	614	850	924	986	1330	2130	213	3330	3900	3600	500	820
9	577	1050	924	1000	6290	589	202	433	4000	3600	5500	820
10	661	968	924	984	6800	342	280	380	3850	1890	6200	1400
11	932	927	924	985	6750	296	263	352	3900	288	5750	800
12	819	887	924	1080	6690	273	216	273	1000	376	5600	300
13	809	883	924	1100	6660	253	196	256	500	2030	5600	650
14	809	882	1260	1100	6640	237	183	6500	3600	4770	1000	800
15	859	878	1160	1100	6850	231	173	7600	3850	5700	500	820
16	862	861	1010	949	11000	213	165	7650	1000	5750	5200	820
17	856	819	947	641	9730	202	2320	5150	500	1000	4650	1400
18	893	823	941	688	8200	196	3200	5150	350	500	5200	950
19	922	828	934	655	7120	188	1630	5000	320	5200	5600	600
20	799	824	925	618	6700	180	1580	5100	300	5650	5600	650
21	784	852	956	603	6620	170	11200	5150	290	5500	1500	820
22	778	852	986	625	6580	163	27700	5100	280	5650	500	820
23	804	852	953	634	6550	170	28700	5100	270	5550	5200	840
24	809	852	951	643	6520	260	23300	3000	260	1200	5800	860
25	790	852	948	592	6490	250	21100	5800	250	800	5800	1450
26	912	904	951	608	6590	1130	17400	7600	240	5000	2800	800
27	792	897	959	630	6840	4540	15200	7500	250	4600	345	850
28	712	900	939	645	6710	4810	11000	6450	3100	5700	234	850
29	797	978	947	627	---	4790	7430	7800	1000	3000	210	849
30	826	1140	941	633	---	4800	8280	7700	4100	4100	1000	669
31	835	---	1030	1100	---	6300	---	7800	---	1000	620	---
TOTAL	21841	26287	30048	26294	149145	52613	189558	216674	64060	100504	110559	25498
MEAN	705	876	969	848	5327	1697	6319	6989	2135	3242	3566	850
MAX	893	1140	1260	1100	11000	6300	28700	15100	7700	5750	6200	1450
MIN	162	784	924	592	702	163	165	256	240	288	210	300
AC-FT	43320	52140	59600	52150	295800	104400	376000	429800	127100	199300	219300	50580

CAL YR 1981 TOTAL 626766 MEAN 1717 MAX 7710 MIN 162 AC-FT 1243000
WTR YR 1982 TOTAL 1013081 MEAN 2776 MAX 28700 MIN 162 AC-FT 2009000

08028000 BAYOU ANACOCO NEAR ROSEPINE, LA

LOCATION.--Lat 30°57'10", long 93°21'10", on line between secs. 25 and 26, T.1 S., R.10 W., Vernon Parish, Hydrologic Unit 12010005, near center of span on downstream side of bridge on parish road from Rosepine to Evans, just downstream from Pocosin Creek, and 4.8 mi (7.7 km) northwest of Rosepine.

DRAINAGE AREA.--365 mi^2 (945 km^2).

PERIOD OF RECORD.--October 1951 to current year.

REVISED RECORDS.--WSP 2122: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 118.09 ft (35.994 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 11, 1954, nonrecording gage at same site and datum.

REMARKS.--Records good. Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft or 50.9 hm^3) except January 1956 to September 1958 and Vernon Lake (usable capacity, 58,0000 acre-ft or 71.5 hm^3) since May 1963. Occasional regulation July to September in most years caused temporary lowering of the reservoirs upstream. Records of dissolved oxygen and water temperatures for water year 1982 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--31 years, 423 ft^3/s (11.98 m^3/s), 15.74 in/yr (400 mm/yr), 306,500 acre-ft/yr (378 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,300 ft^3/s (1,820 m^3/s) May 19, 1953, gage height, 28.38 ft (8.650 m); minimum, 4.0 ft^3/s (0.11 m^3/s) Sept. 28, 29, 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,780 ft^3/s (78.7 m^3/s) Apr. 23, gage height, 16.18 ft (4.932 m); minimum, 5.7 ft^3/s (0.16 m^3/s) Sept. 9, 10, gage height, 2.81 ft (0.856 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	26	74	129	306	397	1390	473	40	457	97	26
2	42	27	67	124	271	315	1850	738	37	308	199	19
3	41	33	44	109	227	258	1520	532	33	230	56	12
4	30	31	29	107	205	224	1010	403	29	173	39	10
5	27	29	21	108	174	207	707	315	27	133	25	9.1
6	27	27	22	94	167	198	527	249	24	102	22	8.0
7	52	25	21	91	170	203	373	206	22	79	70	7.0
8	73	24	22	102	146	171	272	183	18	63	136	7.0
9	49	23	25	75	400	152	231	154	15	51	253	6.1
10	40	45	25	60	730	145	266	127	13	39	114	6.1
11	37	78	24	70	472	136	282	106	15	29	71	11
12	36	64	26	60	314	131	222	91	14	23	59	40
13	32	45	38	152	261	124	172	93	16	20	59	66
14	32	36	88	219	200	124	155	285	15	22	52	42
15	33	31	277	198	285	121	141	330	13	63	40	25
16	35	28	283	172	1820	123	126	263	15	130	34	20
17	31	27	186	175	2300	118	652	221	33	77	57	23
18	31	26	161	133	1930	114	1740	190	48	56	65	24
19	36	25	125	121	1140	101	2060	237	32	50	60	22
20	39	25	98	116	768	88	1570	282	21	30	41	37
21	35	25	94	113	565	82	1660	227	18	22	30	100
22	30	24	96	108	431	89	2370	174	23	18	24	88
23	29	25	101	105	337	79	2740	137	67	15	21	43
24	30	25	107	103	274	91	2610	113	80	21	19	28
25	33	25	88	89	242	104	2210	101	69	19	16	23
26	40	26	71	85	299	97	1930	116	69	18	13	20
27	83	29	64	77	647	86	1280	85	105	34	12	17
28	68	31	59	65	573	144	850	69	97	21	11	15
29	50	32	60	65	---	125	611	57	153	32	11	15
30	36	46	62	61	---	98	467	48	257	87	10	14
31	28	---	86	157	---	275	---	44	---	132	13	---
TOTAL	1195	963	2544	3443	15654	4720	31994	6649	1418	2554	1729	783.3
MEAN	33.5	32.1	82.1	111	559	152	1066	214	47.3	82.4	55.8	26.1
MAX	83	78	283	219	2300	397	2740	738	257	457	253	100
MIN	10	23	21	60	146	79	126	44	13	15	10	6.1
CFSM	.11	.09	.23	.30	1.53	.42	2.92	.59	.13	.23	.15	.07
IN.	.12	.10	.26	.35	1.60	.48	3.26	.68	.14	.26	.18	.08
AC-FT	2370	1910	5050	6830	31050	9360	63460	13190	2810	5070	3430	1550

CAL YR 1981 TOTAL 37947.7 MEAN 104 MAX 2270 MIN 5.6 CFSM .29 IN 3.87 AC-FT 75270
WTR YR 1982 TOTAL 73646.3 MEAN 202 MAX 2740 MIN 6.1 CFSM .55 IN 7.51 AC-FT 146100

08028000 BAYOU ANACOCO NEAR ROSEPINE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.94	3.12	3.56	4.00	5.19	5.74	10.52	6.15	3.27	6.07	3.74	3.08
2	3.29	3.13	3.50	3.96	4.97	5.24	12.47	7.51	3.24	5.20	4.48	2.99
3	3.28	3.20	3.30	3.84	4.69	4.89	11.08	6.47	3.20	4.71	3.41	2.92
4	3.17	3.18	3.16	3.82	4.55	4.68	8.80	5.77	3.17	4.33	3.26	2.89
5	3.13	3.16	3.07	3.83	4.33	4.56	7.35	5.25	3.14	4.03	3.11	2.87
6	3.13	3.13	3.08	3.73	4.28	4.51	6.44	4.83	3.11	3.79	3.07	2.85
7	3.37	3.12	3.07	3.71	4.30	4.53	5.59	4.55	3.08	3.60	3.53	2.84
8	3.55	3.11	3.08	3.79	4.12	4.31	4.98	4.40	3.03	3.47	4.04	2.84
9	3.35	3.09	3.11	3.57	5.68	4.17	4.72	4.18	3.00	3.36	4.85	2.82
10	3.26	3.30	3.11	3.44	7.47	4.11	4.94	3.99	2.98	3.25	3.84	2.82
11	3.24	3.60	3.10	3.53	6.14	4.05	5.04	3.82	3.00	3.16	3.48	2.91
12	3.23	3.48	3.13	3.44	5.24	4.01	4.66	3.70	2.99	3.09	3.38	3.23
13	3.19	3.31	3.25	4.16	4.90	3.96	4.32	3.71	3.01	3.06	3.38	3.45
14	3.20	3.23	3.68	4.64	4.52	3.96	4.20	5.05	3.00	3.08	3.32	3.24
15	3.20	3.18	5.00	4.50	4.98	3.94	4.09	5.34	2.97	3.45	3.20	3.09
16	3.22	3.15	5.04	4.32	12.30	3.95	3.98	4.92	2.99	4.01	3.16	3.02
17	3.18	3.14	4.42	4.34	14.30	3.91	6.87	4.65	3.19	3.58	3.36	3.06
18	3.18	3.13	4.25	4.03	12.83	3.88	12.02	4.45	3.34	3.41	3.43	3.07
19	3.23	3.12	3.96	3.94	9.38	3.78	13.33	4.75	3.19	3.35	3.39	3.04
20	3.26	3.12	3.75	3.90	7.65	3.68	11.30	5.03	3.07	3.17	3.22	3.21
21	3.23	3.11	3.73	3.88	6.64	3.63	11.70	4.70	3.03	3.08	3.11	3.74
22	3.17	3.10	3.74	3.83	5.93	3.69	14.59	4.33	3.09	3.03	3.04	3.65
23	3.16	3.12	3.78	3.81	5.38	3.61	16.02	4.06	3.50	3.00	3.00	3.27
24	3.17	3.12	3.82	3.79	4.98	3.70	15.51	3.87	3.62	3.07	2.98	3.13
25	3.21	3.12	3.68	3.69	4.79	3.80	13.96	3.78	3.52	3.04	2.94	3.07
26	3.27	3.12	3.53	3.65	5.13	3.75	12.83	3.89	3.52	3.04	2.92	3.03
27	3.64	3.16	3.47	3.59	7.05	3.66	10.03	3.65	3.81	3.20	2.91	3.00
28	3.51	3.18	3.44	3.48	6.68	4.11	8.05	3.52	3.75	3.06	2.90	2.98
29	3.36	3.19	3.44	3.48	---	3.96	6.87	3.42	4.17	3.16	2.89	2.98
30	3.23	3.32	3.46	3.45	---	3.76	6.13	3.34	4.87	3.67	2.89	2.97
31	3.15	---	3.66	4.19	---	4.85	---	3.30	---	4.02	2.91	---
MAX	3.64	3.60	5.04	4.64	14.30	5.74	16.02	7.51	4.87	6.07	4.85	3.74
MIN	2.94	3.09	3.07	3.44	4.12	3.61	3.98	3.30	2.97	3.00	2.89	2.82

08028200 BAYOU ANACOCO NEAR KNIGHT, LA

LOCATION.--Lat 30°52'14", long 93°30'38", in SE1/4 sec.20, T.2 S., R.11 W., Beauregard-Vernon Parish line, near right bank of low-water channel at downstream side of bridge on State Highway 111, 4.9 mi (7.9 km) southwest of Knight, and 5.2 mi (8.4 km) upstream from mouth.

DRAINAGE AREA.--425 mi^2 (1,101 km^2).

PERIOD OF RECORD --Water years 1958, 1961, 1969 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1969 to September 1972.
WATER TEMPERATURES: December 1969 to September 1971.
COLOR: December 1969 to July 1972.

REMARKS.--Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft or 50.9 km^3) except January 1956 to September 1958 and Lake Vernon (usable capacity, 58,000 acre-ft or 71.5 km^3) since May 1963. Water used by paper mill at De Ridder is pumped from wells and discharged later as waste into bayou above station. This discharge is not continuous but is stored in a reservoir and is released whenever the flow of bayou is sufficient to dilute effluent from mill. Daily discharge values are from Bayou Anacoco near Rosepine, La., upstream station (08028000).

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 910 micromhos Oct. 31, 1970; minimum daily, 40 micromhos Jan. 1, 1970, Jan. 7, 1972.
WATER TEMPERATURES: Maximum daily, 33.0°C June 15, 1970; minimum daily, 7.0°C Jan. 9, 10, 1970.
COLOR: Maximum daily, 600 units Mar. 16, 1971; minimum daily, 5 units June 20, 27-30, 1970.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)
OCT									
22...	0900	30	841	7.4	19.5	320	6.0	6.0	4.6
JAN									
07...	0830	91	505	6.8	12.0	100	7.0	6.1	5.4
APR									
08...	0745	272	243	6.7	18.0	120	15	8.1	2.9
JUL									
09...	0715	51	493	6.9	26.0	140	6.0	5.7	3.2

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT									
22...	K32	--	51	17	2.1	170	6.0	142	170
JAN									
07...	K55	1000	37	12	1.7	120	5.0	111	120
APR									
08...	K50	2700	24	7.6	1.1	41	2.7	34	44
JUL									
09...	--	4600	34	11	1.6	87	4.0	83	88

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
OCT								
22...	61	.2	20	569	531	.44	.95	.23
JAN								
07...	40	.2	16	407	382	.21	1.1	.20
APR								
08...	17	.1	8.3	156	142	<.10	--	.10
JUL								
09...	38	.2	13	324	293	.47	1.0	.15

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)
OCT											
22...	--	2	<1	--	--	--	<1	<1	--	<1	<1
APR											
08...	--	1	<1	--	--	--	<1	<1	--	1	<1
JUL											
09...	2	2	--	<10	<1	1	<1	--	10	--	<1

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT											
22...	--	3	<1	380	260	--	2	<10	410	160	<.1
APR											
08...	--	5	<1	220	49	--	10	<10	88	16	.6
JUL											
09...	12	7	--	300	--	6	5	--	--	--	.1

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
22...	--	<.01	--	--	--	--	--	--	42	5	29
APR											
08...	--	<.10	--	--	--	--	--	--	25	2	13
JUL											
09...	.1	--	4	2	<1	<1	7.4	40	13	--	21

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)
OCT											
22...	<.01	20	<.1	2	<.1	<1	<.01	<.1	<.1	<1	<.01
APR											
08...	<.01	4	<.1	<1	<.1	<1	<.01	<.1	<.1	<1	<.01

DATE	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT											
22...	.6	<.01	.7	<.01	.1	.05	<.1	<.01	<.1	<.01	<.1
APR											
08...	<.1	<.01	<.1	<.01	<.1	.05	<.1	<.01	<.1	<.01	<.1

< Actual value is known to be less than the value shown.

08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)
OCT											
22...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01
APR											
08...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
22...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1
APR											
08...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERII (UG/KG	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
22...	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.01	<.01	<.01
APR										
08...	<.1	<1.0	<1	<10	<.01	<.1	<.01	<.01	<.01	<.01

DATE	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT		
22...	157	82
JAN		
07...	145	88
APR		
08...	92	87
JUL		
09...	77	90

< Actual value is known to be less than the value shown.

08028500 SABINE RIVER NEAR BON WIER, TX

LOCATION.--Lat 30°44'49", long 93°36'30", Beauregard Parish, Louisiana - Newton County, Texas State line, Hydrologic Unit 12010005, near left bank at downstream side of bridge on U.S. Highway 190, 0.7 mi (1.1 km) upstream from Quicksand Creek, 0.8 mi (1.3 km) upstream from Gulf, Colorado, and Santa Fe Railway Co. bridge, 2.0 mi (3.2 km) east of Bon Wier, 2.4 mi (3.9 km) upstream from Caney Creek, and at mile 97.7 (157.2 km).

DRAINAGE AREA.--8,229 mi^2 (21,313 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1923 to current year. Monthly discharge only for some periods, published in WSP 1312. Gage-height records collected in this vicinity since 1913 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 1342: 1953. WSP 1442: 1924, 1926-27(M), 1929(M), 1939. WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 43.42 ft (13.234 m) National Geodetic Vertical Datum of 1929. Prior to July 8, 1931, nonrecording gage at site 0.8 mi (1.3 km) downstream and July 8, 1931 to Oct. 15, 1958, nonrecording gage at present site. Prior to Sept. 30, 1975, at datum 3.00 ft (0.914 m) higher.

REMARKS.--Water-discharge records good. Flow regulated by Toledo Bend Reservoir (station 08025350) located 58.8 mi (94.6 km) upstream. Gage-height telemeter at station maintained by the National Weather Service.

AVERAGE DISCHARGE.--43 years (water years 1924-66) prior to completion of Toledo Bend Reservoir, 6,846 ft^3/s (193.9 m^3/s), 4,960,000 acre-ft/yr (6.12 km^3/yr); 16 years (water years 1967-82) regulated, 5,839 ft^3/s (165.4 m^3/s), 4,230,000 acre-ft/yr (5.22 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 115,000 ft^3/s (3,260 m^3/s) May 19, 1953, gage height, 28.70 ft (8.748 m); minimum daily, 134 ft^3/s (3.79 m^3/s) Nov. 9, 1966.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1833, 33.5 ft (10.21 m) Apr. 23 or 24, 1913, from information by Gulf, Colorado, and Santa Fe Railway Co. and local residents. Flood in May 1884 reached a stage of 29 ft (8.8 m). Floods occurring about 1844 and 1860 were higher than flood in May 1884, from information local residents. All flood data referenced to current datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30,500 ft^3/s (864 m^3/s) Apr. 24, gage height 22.10 ft (6.736 m); minimum daily, 478 ft^3/s (13.5 m^3/s) Oct. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1030	1140	1470	1520	1590	7550	6660	10700	7500	3740	2570	1210
2	906	1210	1410	1500	1530	5600	5410	14700	7500	5580	1060	1120
3	548	1190	1310	1420	1390	3480	3270	15500	6210	5890	3590	1050
4	488	1140	1220	1360	1270	3100	2490	14200	4810	2830	5490	1280
5	478	1110	1170	1340	1190	2960	1960	14700	4610	1080	5520	913
6	611	1100	1160	1350	1150	2880	1560	14900	2280	817	5520	530
7	834	1080	1160	1320	1150	2910	1280	14800	984	1180	5660	771
8	1010	1100	1140	1290	1150	2970	1090	11200	2540	3130	3000	917
9	935	1250	1120	1280	2610	2530	959	3510	3980	3570	1240	974
10	872	1490	1110	1260	6830	1400	971	1540	4090	3720	3740	966
11	866	1370	1120	1210	7270	1100	1120	1210	4080	1790	5760	1320
12	976	1260	1140	1270	6980	1010	1090	977	4090	768	5730	955
13	980	1200	1150	1460	6780	953	942	924	2220	725	5700	577
14	968	1170	1250	1680	6690	910	839	1290	902	2540	5630	780
15	990	1160	1630	1620	6810	882	791	6140	2420	4850	2800	943
16	1020	1150	1710	1670	12500	851	756	8280	3980	5510	978	1010
17	1030	1130	1640	1420	16300	828	1340	8120	2290	5720	3580	1020
18	1050	1100	1500	1150	12900	797	5510	6610	959	2860	5550	1320
19	1080	1090	1430	1090	10500	764	5560	5810	762	952	5510	1100
20	1030	1080	1360	1040	8690	729	4290	6180	685	3330	5420	918
21	1010	1070	1340	989	7900	690	6650	5930	673	5360	5460	929
22	999	1090	1360	960	7540	661	18600	5600	647	5360	2720	1130
23	992	1090	1360	943	7310	666	28400	5560	834	5450	909	1060
24	1010	1100	1300	929	7170	736	30200	5510	733	5460	3180	1040
25	1090	1100	1290	933	7030	865	28000	3940	699	2740	5280	986
26	1120	1100	1270	988	7040	853	24600	5330	673	918	5430	1120
27	1150	1140	1240	863	7860	2010	20400	7220	663	3390	2660	1030
28	1140	1130	1230	885	8000	5050	16500	7380	708	4650	862	656
29	1070	1130	1200	877	---	5400	11600	6800	2210	5250	638	905
30	1080	1250	1180	879	---	5200	8740	7370	2220	4090	582	927
31	1110	---	1330	1050	---	5430	---	7440	---	3890	1090	---
TOTAL	29463	34720	40300	37446	175130	71765	241578	229371	76952	107140	112859	29457
MEAN	950	1157	1300	1208	6255	2315	8053	7399	2565	3456	3641	982
MAX	1150	1490	1710	1680	16300	7550	30200	15500	7500	5890	5760	1320
MIN	478	1070	1110	863	1150	661	756	924	647	725	582	530
AC-FT	58440	68870	79940	74270	347400	142300	479200	455000	152600	212500	223900	58430

CAL YR 1981 TOTAL 816954 MEAN 2238 MAX 9350 MIN 478 AC-FT 1620000
WTR YR 1982 TOTAL 1186181 MEAN 3250 MAX 30200 MIN 478 AC-FT 2353000

08028500 SABINE RIVER NEAR BON WEIR, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1970 to current year.
WATER TEMPERATURES: January 1970 to current year.

REMARKS.--Data furnished by Texas District. Daily values for the 1982 water year are available from the Texas Report.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH LAB (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT								
07...	1650	825	205	7.4	25.5	50	33	23
14...	0840	888	188	7.3	25.0	40	27	22
21...	1700	1050	208	7.3	22.0	50	24	22
28...	0950	1060	236	7.5	17.0	60	34	25
NOV								
07...	1025	973	208	7.5	19.0	50	28	23
21...	1115	957	219	8.0	15.0	--	31	26
28...	1145	1010	233	8.3	18.0	50	31	26
DEC								
07...	1615	1160	324	8.3	14.0	60	36	36
14...	1645	1310	237	7.9	12.0	50	35	27
21...	1200	1220	249	7.9	12.0	60	40	24
28...	0930	1110	205	7.7	14.0	40	27	27
JAN								
07...	0900	1220	214	8.2	15.0	60	29	25
14...	1500	1700	177	7.9	7.0	60	19	23
21...	1705	947	221	8.1	16.0	70	31	25
28...	1400	834	222	8.0	15.0	70	33	27
FEB								
07...	1220	1100	228	7.9	8.0	80	42	24
14...	1100	6780	162	8.1	10.0	40	16	25
21...	0930	7960	144	8.0	12.0	50	10	22
28...	1145	8010	144	7.5	10.0	40	7.0	22
MAR								
07...	1645	2930	165	7.5	10.0	50	13	22
14...	1045	912	197	7.8	21.0	70	21	20
21...	0925	694	220	7.8	23.0	120	28	20
28...	1515	5250	168	7.5	16.0	40	14	25
APR								
07...	1500	1250	147	7.2	19.0	100	8.0	12
14...	1500	839	193	7.1	22.0	100	17	16
21...	0920	4950	74	7.2	20.0	140	8.0	8.0
28...	0815	17200	147	7.3	17.0	40	8.0	21
MAY								
07...	1250	14300	163	7.3	20.0	40	18	24
14...	1900	1550	143	7.5	23.0	80	19	15
21...	1245	6710	149	7.8	23.0	30	18	22
28...	1415	8270	164	7.7	25.0	30	19	25
JUN								
07...	1810	897	190	7.6	30.0	30	17	26
14...	1005	902	194	7.1	28.0	30	21	26
21...	1205	660	196	7.8	30.0	60	24	22
28...	1020	711	216	8.2	28.0	100	23	21
JUL								
07...	1630	1550	259	7.5	31.0	70	36	26
14...	1130	2960	201	7.6	30.0	60	26	23
21...	0930	5360	178	7.6	29.0	20	19	27
28...	1015	4460	178	7.4	28.0	30	19	27
AUG								
07...	1105	5990	174	6.9	28.0	30	18	29
14...	1115	6000	174	7.3	29.0	40	18	29
21...	1310	6170	187	7.6	30.0	40	19	30
28...	1235	811	183	7.6	31.0	30	19	28
SEP								
07...	1110	655	187	7.4	29.0	40	20	28
14...	0830	555	196	7.5	29.0	50	22	28
21...	1215	820	157	7.5	25.0	70	21	22
28...	1600	672	199	7.3	24.0	50	23	29

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than at stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of peak elevation at flood profile stations. Discharge measurements made at miscellaneous sites for both low flow and high flow; and discharge measurements made for a seepage study are presented following the partial-record tables.

CREST-STAGE PARTIAL-RECORD STATIONS

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, and discharge measurements may have been made for purposes of establishing the stage-discharge relation but these are not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

NOTE: During the 1982 water year, a detailed analysis of all active crest-stage stations was completed. This included checking all dates, peak gage heights, measurements, levels, and then redeveloping the stage-discharge relationship on logarithmic paper. This resulted in some minor changes and the discovery of some errors in data which were published in earlier reports. Therefore, all peak discharges and gage heights, where any changes occurred, are republished in this report and so footnoted.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Red River basin					
07346950	Kelly Bayou near Ida, LA.	Lat 33°00'05", long 93°51'55", Caddo Parish, at bridge on State Highway 168, and 1.8 mi (2.9 km) east of Ida.	*73	1969-82	2- 3-69	38.42	a544
					4-25-70	37.03	a383
					12-20-70	36.52	a351
					5- 8-72	38.41	a542
					4-25-73	40.90	a1,300
					4-22-74	44.70	a4,160
					2- 2-75	42.61	a2,310
					3- 8-76	39.68	a835
					3-27-77	38.66	a582
					5- 4-79	41.80	a1,780
					5-16-80	40.39	a1,090
					6- 5-81	40.83	b1,270
					6-12-82	37.68	447
07348100	McCain Creek near Shreveport, LA.	Lat 32°35'50", long 93°50'00", Caddo Parish, at bridge on State Highway 1, and 7.0 mi (11.3 km) northwest of Shreveport.	13.8	1954-68, 1974-82	5- 1-54	37.10	b238
					5-24-55	43.82	b2,400
					5- 5-56	37.99	b378
					4-28-57	40.76	b1,070
					4-25-58	41.10	b1,180
					4-12-59	38.38	b451
					3- 2-60	39.08	b600
					6-20-61	37.73	b333
					10- 2-61	39.60	b727
					4-29-63	37.59	b310
					4-25-64	40.95	b1,130
					4-25-66	39.38	b672
					6- 1-67	40.23	b904
					5-17-68	39.71	b756
					1-24-74	39.00	b581
					5- 3-75	39.86	b795
					7- 4-76	39.13	b612
					2-11-77	37.09	b237
					1982	<36.4	(*)

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

					Annual maximum		
Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Red River basin--Continued					
07348725	Indian Creek at Shongaloo, LA.	Lat 32°55'55", long 93°17'30", Webster Parish, at bridge on State Highway 535, and 0.8 mi (1.3 km) southeast of Shongaloo.	33.1	1966-82	4-20-66	42.14	b1,120
					6- 1-67	40.95	b355
					9-15-68	42.53	b1,480
					3-18-69	43.03	b2,030
					3- 3-70	43.68	b2,890
					5-12-71	42.39	b1,340
					1- 4-72	41.98	b984
					4-25-73	43.57	b2,730
					12- 3-73	44.55	b4,340
					11-14-74	43.89	b3,210
					3- 8-76	42.95	b1,930
					5- 7-78	42.92	b1,890
					4-20-79	44.52	b4,290
					4-13-80	42.58	b1,530
					5-17-81	42.11	b1,090
					2- 9-82	40.53	199
07348760	Black Bayou at Leton, LA.	Lat 32°51'10", long 93°15'05", Webster Parish, at bridge on State Highway 159, 0.5 mi (0.8 km) south of Leton.	49.8	1954-68, 1974-82	5- 1-54	45.32	a1,690
					3-21-55	47.22	a4,540
					2- 5-56	45.11	a1,490
					4-28-57	45.96	a2,440
					4-26-58	49.34	a10,600
					2-15-59	45.25	a1,620
					3- 2-60	45.52	a1,900
					7-16-63	48.46	a7,680
					4-27-64	46.17	a2,800
					4- 1-65	45.18	a1,720
					4-20-66	45.18	a1,720
					6- 1-67	42.30	a265
					9-15-68	46.13	a2,750
					1-24-74	46.24	a2,160
					5- 3-75	46.52	a2,590
					3- 7-76	45.90	a1,750
					3-28-77	41.88	a66
					5- 7-78	45.57	a1,450
					5- 4-79	46.85	a3,250
					4-13-80	45.30	a1,230
					2- 9-82	42.96	212
07350990	Boggy Bayou at Woolworth Road, near Keithville, LA.	Lat 32°22'35", long 93°54'00", Caddo Parish, at bridge 4.8 mi (7.7 km) southwest of Keithville.	41.3	1963-82	4-25-66	41.83	a2,420
					5-31-67	42.73	a5,440
					9-15-68	42.28	a3,730
					4-17-69	43.02	a6,800
					3- 4-70	41.29	a1,490
					12-20-70	40.09	a598
					1- 4-72	40.33	a685
					4-25-73	41.93	a2,680
					1-24-74	42.35	a3,980
					1-10-75	41.92	a2,650
					3- 8-76	41.04	a1,210
					2-12-77	41.81	a2,380
					5- 7-78	42.25	a3,620
					5- 4-79	43.59	a9,940
					5-17-80	41.57	a1,900
					6- 6-81	42.61	b4,940
					3-22-82	38.21	331
07351205	Brush Bayou tributary No. 2, at Shreveport, LA.	Lat 32°26'30", long 93°48'05", Caddo Parish, at culvert on 70th Street, 5.8 mi (9.3 km) southwest of Shreveport Post Office.	3.68	1967-70, 1973-82	2-26-82	8.49	(*)

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Red River basin--Continued					
07351300	Brush Bayou near Shreveport, LA.	Lat 32°23'25", long 93°46'15", Caddo Parish, at bridge on State Highway 526, and 2.5 mi (4.0 km) south of Shreveport.	27.1	1960-82	12-16-59	c162.83	b,5650
					9-12-61	c161.38	b3,130
					12-10-61	c159.66	b1,310
					9- 6-63	c157.83	b324
					5-25-64	c162.36	b4,730
					2-12-65	c160.56	b2,110
					12-12-65	c162.54	b5,070
					6- 1-67	c164.54	b10,200
					9-15-68	c162.38	b4,760
					5- 7-69	c162.43	b4,860
					11-17-69	c162.91	b5,820
					12-12-70	c164.13	b8,970
					7-29-72	c163.97	b8,500
					4-24-73	c164.11	b8,910
					12- 3-73	c165.53	b13,600
					10-28-74	c163.22	b6,530
					3- 8-76	c160.88	b2,480
					2-12-77	c163.18	b6,430
					5- 7-78	c154.19	--
					5- 4-79	c158.80	b760
					5- 9-81	c158.31	b515
					1982	c<155.9	(*)
07351500	Cypress Bayou near Keithville, LA.	Lat 32°18'00", long 93°49'40", Caddo Parish, at bridge on U. S. Highway 171, and 2.0 mi (3.2 km) south of Keithville.	*66	1939-57d, 1958-82e	12-10-61	10.98	a5,850
					4-29-63	7.98	a282
					4-26-64	9.78	a1,420
					3-30-65	10.38	a3,080
					4-25-66	10.72	a4,550
					6- 1-67	10.38	a3,080
					4-17-69	10.49	a3,510
					3- 4-70	11.01	a6,000
					3- 8-76	10.85	a5,200
					6- 5-81	11.22	b7,050
					4-21-82	9.40	970
07351670	Rambin Bayou near Frierson, LA.	Lat 32°13'25", long 93°42'15", De Soto Parish, at bridge on State Highway 175, and 1.5 mi (2.4 km) south of Frierson.	59.6	1966-82	4-17-82		(*)
07351700	Bayou Na Bonchasse near Mansfield, LA.	Lat 32°06'05", long 93°41'45", De Soto Parish, at bridge on State Highway 175, and 4.2 mi (6.8 km) north of Mansfield.	19.5	1958-68d, 1969-82	3-18-69	12.04	a1,260
					4-13-80	12.35	a1,820
					6- 6-81	11.71	b1,130
					6-16-82	11.79	1,200
07351980	Saline Bayou near Bienville, LA.	Lat 32°24'10", long 92°56'45", Bienville Parish, at bridge on Parish Road 110, 1.0 mi (1.6 km) upstream from Bear Creek, and 4.0 mi (6.4 km) northeast of Bienville.	54.9	1966-82	4-20-66	44.58	a2,160
					6- 1-67	44.68	a2,370
					4- 8-68	44.62	a2,240
					12-14-68	44.43	a1,880
					5- 3-70	43.65	a871
					5-12-71	43.00	a400
					1- 3-72	43.85	a1,070
					1- 7-73	43.91	a1,140
					1-24-74	44.42	a1,860
					4- 4-75	44.67	a2,310
					7- 4-76	43.55	a782
					2-12-77	43.01	a405
					5- 8-78	44.64	a2,280
					1-21-79	44.74	a2,500
					4-13-80	44.31	a1,680
					6- 5-81	43.28	b570
					1982	<41.6	(*)

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Red River basin--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (ft^3/s)
07352200	Black Lake Bayou near Minden, LA.	Lat 32°34'50", long 93°10'55", on Bienville-Webster Parish line, at bridge on U.S. Highway 80, and 7.0 mi (11.3 km) southeast of Minden.	38.6	1951-68, 1974-82	2-11-52	15.53	b1,070
					5-20-53	17.12	b2,420
					3-21-55	16.28	b1,640
					4- 6-56	15.97	b1,400
					4-28-57	17.74	b3,060
					10-22-57	16.37	b1,720
					3- 6-59	15.06	b800
					3- 3-60	14.40	b565
					7-27-61	14.91	a734
					12-10-61	15.77	a1,240
					4-27-64	15.10	a820
					2-11-65	14.64	a634
					2-10-66	15.09	a815
					6- 1-67	14.56	a608
					9- 4-68	17.40	a2,700
					6- 7-74	16.39	a1,740
					5- 4-75	16.02	a1,440
					7- 4-76	14.96	a754
					2-12-77	14.95	a750
					5- 7-78	14.89	a726
					1-21-79	16.68	b2,000
					4-13-80	14.99	a766
					1982	<14.0	(*)
07352295	Black Lake Creek at Gibsland, LA.	Lat 32°33'15", long 93°03'05", Bienville Parish, at bridge on State Highway 154, and 0.6 mi (1.0 km) north of Gibsland.	44.8	1968-82	5-11-68	45.27	b679
					12-13-68	46.81	b2,990
					5- 1-70	46.34	b1,880
					5- 7-71	45.12	b634
					1- 4-72	45.33	b697
					4-25-73	45.98	b1,290
					12- 4-73	45.98	b1,290
					5- 3-75	47.88	b7,460
					2-12-77	45.36	b706
					5- 7-78	46.17	b1,580
					1-21-79	47.38	b4,960
					4-13-80	46.52	b2,260
					5- 6-81	45.78	b1,040
					4-19-82	44.82	561
07352400	Kepler Creek at Sparta, LA.	Lat 32°22'05", long 93°05'35", Bienville Parish, at bridge on State Highway 507, 0.8 mi (1.3 km) west of Sparta.	21.1	1954-68, 1974-82	5- 1-54	43.88	a1,640
					7-11-55	43.78	a1,530
					4- 6-56	44.45	a2,430
					4-27-58	42.94	a805
					6- 9-59	43.68	a1,430
					3-30-61	42.39	a439
					12-17-61	42.75	a670
					2-10-66	43.00	a850
					5-31-67	42.41	a451
					4- 8-68	42.87	a754
					4-22-74	42.32	a397
					5- 4-75	43.58	a1,340
					7- 4-76	42.12	a281
					5- 7-78	44.30	a2,200
					1-21-79	43.17	a981
					1-22-80	43.40	a1,170
					5-26-81	42.07	b254
					10- 9-81	42.23	343
07352500	Black Lake Bayou near Castor, LA.	Lat 32°15'40", long 93°12'50", Bienville Parish, at bridge on State Highway 4, and 2.8 mi (4.5 km) northwest of Castor.	423	1941-57d, 1958-82	9-20-58	12.37	a10,100
					6- 9-59	10.29	a4,290
					3- 4-60	9.01	a2,230
					3-31-61	9.99	a3,740
					12-12-61	11.19	a6,230
					4-27-64	8.58	a1,680
					4- 1-65	8.72	a1,850
					2-10-66	10.70	a5,110
					6- 1-67	9.29	a2,630
					4- 8-68	9.72	a3,290
					12-13-68	9.11	a2,370
					5- 2-70	9.25	a2,570
					5-11-71	8.90	a2,080
					1- 5-72	9.09	a2,350
					4-25-73	9.96	a3,690
					1-25-74	11.50	a7,000
					3-14-75	10.34	a4,390
					6-20-76	8.70	a1,820
					5- 8-78	9.59	a3,080
					1-23-79	12.67	a11,400
					4-13-80	10.39	a4,480
					2-18-82	8.65	1,760

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (ft^3/s)
		Red River basin--Continued					
07352730	Antoine Creek near Ashland, LA.	Lat 32°05'50", long 93°06'10", Natchitoches Parish, at bridge on State Highway 153, and 3.0 mi (4.8 km) south of Ashland.	17.7	1965-82	4-20-82	43.90	(#)
07353990	Kisatchie Bayou at Kisatchie, LA.	Lat 31°25'20", long 93°10'14", Natchitoches Parish, at bridge on State Highway 117, and 0.6 mi (1.0 km) north of Kisatchie.	37.3	1966-82	2-10-66	24.52	a10,100
					4-14-67	21.07	a1,980
					4- 8-68	25.44	a14,200
					12-11-68	21.73	a2,630
					5- 1-70	17.82	a904
					12-20-70	13.83	a378
					12-16-71	20.49	a1,700
					3-25-73	22.17	a3,340
					4-12-74	25.19	a13,000
					6-10-75	23.65	a6,950
					1- 2-76	19.12	a1,190
					3- 3-77	21.45	a2,350
					1-24-78	19.55	a1,320
					2-23-79	22.77	a4,540
					3-28-80	21.75	a2,650
					6- 5-81	17.80	b900
					4-21-82	17.34	831
07364740	Bayou de Loutre near Farmerville, LA.	Lat 32°52'25", long 92°23'40", Union Parish, at bridge on State Highway 549, and 7.0 mi (11.3 km) north of Farmerville.	241	1966-82	2-10-66	44.00	a3,180
					5-31-67	43.07	a2,070
					5-12-68	43.25	a2,260
					12-13-68	44.16	a3,390
					5- 2-70	43.36	a2,390
					8- 7-71	42.36	a1,350
					1- 5-72	43.78	a2,900
					3-17-73	44.75	a4,200
					6-10-74	51.34	a17,300
					2- 4-75	44.97	a4,520
					3-10-76	43.64	a2,730
					3-29-77	42.12	a1,140
					5- 9-78	44.66	a4,070
					5- 6-79	45.01	a4,580
					4-13-80	43.35	a2,380
					5-17-81	44.83	b4,320
					4-22-82	43.64	2,730
07364800	Bayou D'Arbonne at Homer, LA.	Lat 32°48'30", long 93°03'20", Claiborne Parish, at bridge on U.S. Highway 79, and 0.2 mi (0.3 km) north of Homer.	*30	1954-68, 1974-82	4-15-54	45.06	a466
					5-25-55	47.09	a4,510
					2-18-56	45.11	a497
					4-28-57	46.95	a3,950
					4-29-58	47.75	a8,180
					2-15-59	45.97	a1,440
					5- 7-60	45.25	a600
					9-16-61	46.50	a2,530
					12-20-61	46.01	a1,500
					4-28-63	45.63	a976
					4-24-64	46.58	a2,750
					2-11-65	45.45	a780
					4-20-66	45.27	a616
					5-31-67	44.76	a319
					9-15-68	46.79	a3,380
					6- 9-74	46.65	b2,940
					7- 8-75	47.04	b4,300
					7- 5-76	45.59	b929
					2-12-77	44.46	a206
					5- 7-78	45.67	a1,020
					5- 4-79	47.33	b5,630
					4-13-80	45.63	a976
					6- 6-81	45.16	b532
					1-31-82	43.10	(#)
07364870	Sugar Creek near Arcadia, LA.	Lat 32°41'20", long 92°51'30", Claiborne-Lincoln Parish line, at bridge on State Highway 146, and 10.3 mi (16.6 km) northeast of Arcadia.	*47	1966-82	2-10-66	44.50	a2,330
					2-20-67	44.34	a2,130
					2- 1-68	44.02	a1,760
					12-13-68	44.05	a1,800
					5- 1-70	44.14	a1,900
					12-20-70	45.21	a3,370
					5- 2-72	43.27	a1,040
					7- 7-73	44.37	a2,170
					2-15-74	44.90	a2,880
					5- 4-75	44.71	a2,960
					7- 4-76	43.71	a1,520
					3-28-77	41.75	a248
					5- 7-78	45.18	a3,870
					1-21-79	46.16	b6,360
					1-22-80	45.17	a3,850
					5-17-81	42.30	b428
					1982	<41.5	(#)

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	 Gage height (feet)	 Discharge (ft^3/s)
		Red River basin--Continued					
07365300	Middle Fork Bayou D'Arbonne near Colquitt, LA.	Lat 32°55'40", long 92°59'40", Claiborne Parish, at bridge on State Highway 520, and 2.0 mi (3.2 km) southwest of Colquitt.	43.9	1954-68, 1974-82	5- 1-54	44.06	a960
					3-21-55	45.50	a3,080
					2-18-56	44.53	a1,560
					4-28-57	45.70	a3,400
					4-26-58	49.68	a17,900
					2-15-59	44.23	a1,160
					3- 3-60	44.59	a1,650
					2-22-61	44.79	a1,940
					12-10-61	45.83	a3,630
					7-18-63	47.96	b9,160
					4-25-64	45.32	a2,790
					3-30-65	45.04	a2,340
					4-26-66	44.40	a1,380
					4- 8-68	46.16	a4,230
					4-22-74	46.04	b4,010
					3-13-75	46.65	b5,220
					2-18-76	45.23	a2,650
					5- 7-78	45.32	a2,790
					5- 4-79	46.78	b5,550
					4-13-80	44.58	a1,630
					6- 6-81	46.78	b5,550
					4-21-82	42.50	215
07366000	Corney Bayou near Lillie, LA.	Lat 32°53'15", long 92°39'25", Union Parish, at bridge on U.S. Highway 167, and 3.0 mi (4.8 km) south of Lillie.	462	1941-57d, 1958-82	4-27-58	25.20	a48,200
					6- 9-59	14.85	a4,500
					3- 5-60	14.82	a4,420
					7-19-61	15.59	a6,920
					12-17-61	15.65	a7,140
					7-18-63	14.80	a4,360
					4-28-64	15.70	a7,320
					2-11-65	15.29	a5,890
					4-21-66	15.14	a5,390
					9-15-68	14.56	a3,770
					5-29-69	15.40	a6,260
					5- 3-70	15.22	a5,650
					5- 7-71	12.31	a1,410
					1- 4-72	14.48	a3,600
					3-17-73	16.23	a9,290
					6- 9-74	24.24	a43,600
					3- 8-76	16.39	a9,900
					5- 9-78	15.45	a6,430
					5- 4-79	16.38	a9,860
					4-13-80	15.08	a5,200
					5-20-81	15.86	b7,900
					6-23-82	12.21	1,360
07366350	Stowe Creek near Farmerville, LA.	Lat 32°40'20", long 92°28'20", Union Parish, at bridge on State Highway 151, and 8.0 mi (12.9 km) southwest of Farmerville.	*29	1954-68, 1974-82	5- 1-54	44.03	a248
					4-12-55	45.52	a840
					4- 6-56	46.38	a3,380
					9-17-57	45.70	a1,250
					7-13-58	46.37	a3,440
					6- 8-59	45.68	a1,200
					4-21-60	44.16	a268
					2-21-61	44.80	a392
					12-18-61	46.08	a2,340
					4-24-64	45.72	a1,300
					4- 1-65	44.94	a425
					2-10-66	47.61	a8,240
					4- 9-68	46.36	a3,310
					2-14-74	47.43	b3,140
					5- 3-75	46.80	b2,040
					3- 8-76	44.44	b317
					5- 2-77	43.98	b240
					5- 7-78	46.12	a1,220
					1-21-79	46.83	b2,080
					4-14-80	46.11	a1,200
					5-17-81	42.82	b139
					4-21-82	44.82	397
07366403	Bayou Choudrant tributary near Tremont, LA.	Lat 32°31'55", long 92°27'55", Lincoln Parish, at culvert on Interstate Highway 20, and 1.1 mi (1.8 km) northwest of Tremont.	0.54	1966-82	2-10-66	a9.08	b405
					5-31-67	a6.24	b60
					5-10-68	a8.58	b315
					11-28-68	a7.55	b167
					5- 1-70	a5.56	b35
					11-13-70	a6.35	b65
					1-10-72	a7.11	b121
					4-24-73	a6.48	b72
					3-21-74	a7.23	b132
					5- 7-75	a10.62	b735
					2-19-76	a5.80	b42
					3- 8-77	5.54	b34
					9-15-78	6.42	b68
					1-21-79	6.48	b71
					4-13-80	7.21	b131
					5-17-81	6.93	b103
					6- 4-82	5.79	42

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft³/s)
		Red River basin--Continued					
07366420	Bayou Choudrant near Calhoun, LA.	Lat 32°32'30", long 92°22'45", Ouachita Parish, at bridge on State Highway 151, and 2.5 mi (4.0 km) northwest of Calhoun.	113	1966-82	2-10-66	44.72	a9,190
					5-31-67	41.05	a1,040
					4- 8-68	43.40	a5,300
					11-30-68	42.05	a2,100
					5- 2-70	41.16	a1,110
					5- 7-71	40.71	a894
					1- 4-72	42.06	a2,120
					4-25-73	42.33	a2,690
					2-15-74	42.98	a4,250
					5-14-75	43.88	a6,620
					2-19-76	42.11	a2,220
					2-12-77	41.65	a1,500
					5- 8-78	43.44	a5,410
					5- 4-79	43.11	a4,580
					4-14-80	43.24	a4,900
					5-19-81	41.03	b698
					4-21-82	40.53	508
07367250	Guyton Creek near Eros, LA.	Lat 32°25'25", long 92°21'20", Ouachita Parish, at culvert on State Highway 546, and 4.3 mi (6.9 km) northeast of Eros.	8.76	1968-82	4- 8-68	a10.24	b439
					11-28-68	a10.34	b480
					5- 1-70	a9.39	b211
					5- 7-71	a9.70	b267
					1- 5-72	a10.07	b380
					4-24-73	a9.59	b250
					3-11-74	a9.89	b320
					6-10-75	a13.53	b2,330
					1976	a13.19	b2,150
					2-12-77	9.51	b230
					1-24-78	9.68	b256
					5- 4-79	10.75	b670
					1-22-80	10.00	b350
					5-17-81	9.01	b155
					1- 4-82	9.98	343
07367300	North Cheniere Creek at Cheniere, LA.	Lat 32°29'35", long 92°15'40", Ouachita Parish, at bridge on State Highway 546, 1.0 mi (1.6 km) southwest of Chenierre.	*38	1954-68, 1974-82	5-13-54	42.98	a1,110
					3-21-55	45.89	a6,270
					4- 5-56	43.68	a1,680
					6-27-57	42.86	a1,030
					11-18-57	43.22	a1,290
					4-20-59	42.38	a723
					3- 2-60	41.97	a477
					3-31-61	43.80	a1,800
					12-20-61	44.18	a2,270
					4-30-64	43.44	a1,460
					3-31-65	43.34	a1,380
					2-10-66	44.83	a3,460
					5-21-67	41.85	a405
					4- 4-68	43.98	a1,980
					2-21-74	43.06	a1,170
					2-19-76	42.56	a839
					2-12-77	42.21	a621
					5- 8-78	45.03	a3,920
					1-21-79	43.67	a1,670
					5-16-80	42.99	1,120
					1982	<41.7	(*)
07367600	Cypress Creek near Vixen, LA	Lat 32°17'20", long 92°14'45", Ouachita Parish, at bridge on State Highway 557, and 4.1 mi (6.6 km) northeast of Vixen.	*16	1954-68, 1974-82	5- 1-54	46.14	a658
					8- 4-55	46.76	a1,350
					2-11-56	46.83	a1,440
					6-28-57	46.51	a1,070
					4-30-58	46.91	a1,560
					4-20-59	44.82	a319
					3-20-60	45.48	a411
					2-20-61	47.70	b3,350
					12-20-61	47.00	b1,700
					2-26-63	40.13	a37
					4-30-64	45.88	b512
					3-31-65	48.04	b4,510
					2-10-66	48.18	b5,070
					5-21-67	44.20	a255
					4- 5-68	47.40	b2,500
					4-12-74	48.83	b8,820
					3-13-75	47.92	b4,070
					2-18-76	45.84	b496
					3- 4-77	47.01	b1,720
					9-16-78	47.02	b1,730
					5- 4-79	47.12	b1,890
					5-16-80	47.14	b1,930
					3- 4-81	43.57	b201
					4-20-82	47.22	2,090

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (ft^3/s)
		Red River basin--Continued					
07370530	Black Bayou at Kelly, LA	Lat 31°58'20", long 92°10'00", Caldwell Parish, at bridge on U.S. Highway 165, and 0.9 mi (1.4 km) southeast of Kelly.	51.9	1966-82	4-27-66	39.86	a2,890
					4-14-67	39.19	a1,930
					4- 9-68	40.25	a3,490
					5- 8-69	39.11	a1,810
					11-30-69	39.41	a2,230
					5-13-71	41.04	a4,820
					12- 3-71	39.33	a2,120
					3-16-73	41.57	a5,850
					1-28-74	40.40	a3,730
					5- 5-75	40.25	a3,490
					6-17-76	38.44	a922
					3- 4-77	41.87	a6,500
					3-21-78	40.50	a3,890
					1-20-79	41.80	a6,350
					4-12-80	39.40	a2,220
					3- 4-81	38.80	b1,390
					4-20-82	39.17	1,900
07370575	Caney Creek near Chatham, LA.	Lat 32°13'00", long 92°29'10", Jackson Parish, at bridge on State Highway 34, and 6.5 mi (10.5 km) southwest of Chatham.	48.8	1966-82	2-10-66	48.76	--
					6- 1-67	42.54	b372
					4- 3-68	44.08	b1,910
					11-28-68	44.37	b2,520
					5- 2-70	43.38	b834
					5- 7-71	44.97	b4,300
					1- 4-72	43.83	b1,410
					12-10-72	43.59	b1,040
					4-12-74	44.42	b2,650
					5- 9-75	45.04	b4,560
					2-18-76	44.39	b2,580
					3- 4-77	43.74	b1,260
					5- 8-78	45.72	b7,610
					1-22-79	44.36	b2,500
					6-17-80	43.74	b1,260
					5-17-81	42.87	b505
					4-20-82	43.02	573
07370600	Beaucoup Creek near Cotton Plant, LA.	Lat 32°06'40", long 92°19'20", Winn Parish, at bridge on State Highway 126, and 3.3 mi (5.3 km) west of Cotton Plant.	127	1951-68, 1974-82	1- 5-51	10.54	a3,490
					5-12-52	9.62	a1,340
					5-17-53	13.18	a13,400
					5- 1-54	10.33	a2,920
					7-14-55	10.17	a2,510
					4- 6-56	9.82	a1,720
					6-22-57	10.67	a3,870
					9-21-58	11.56	a6,860
					3-21-59	9.95	a1,990
					2-20-61	11.30	a5,920
					12-13-61	10.90	a4,580
					4-25-64	10.62	a3,720
					3-31-65	11.49	b6,600
					2-10-66	12.11	b8,940
					4- 9-68	10.47	b3,300
					4-12-74	13.01	b12,600
					5- 4-75	12.04	b8,660
					2-19-76	9.67	b1,430
					3-12-77	10.99	a4,870
					5- 7-78	11.42	a6,350
					2-24-79	10.95	a4,740
					5-16-80	10.75	a4,110
					4-21-82	12.32	9,780
07370650	Flat Creek near Sikes, LA.	Lat 32°04'45", long 92°27'50", Winn Parish, at bridge on State Highway 126, and 1.5 mi (2.4 km) east of Sikes.	41.5	1951-68, 1974-82	3-30-51	9.85	b1,820
					5-12-52	9.46	b1,090
					5-17-53	12.56	b33,800
					5- 1-54	9.55	b1,220
					7-14-55	9.66	b1,420
					4- 6-56	9.75	b1,600
					6-22-57	9.76	b1,620
					9-21-58	11.43	b11,800
					4-21-59	9.27	b863
					3- 2-60	9.03	b695
					3-17-61	10.30	b3,450
					6-22-62	9.85	b1,820
					4-25-64	9.92	b2,010
					3-31-65	10.49	b4,440
					2-10-66	11.57	b4,480
					6- 1-67	8.58	b547
					4- 9-68	10.70	b2,670
					4-12-74	12.10	b6,020
					5- 4-75	10.94	b3,090
					3- 8-76	8.46	b492
					3-12-77	9.79	b1,460
					4- 3-79	10.48	b2,330
					4-13-80	9.77	b1,440
					6- 6-81	9.41	b1,090
					4-21-82	11.40	4,060

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (ft^3/s)
		Red River basin--Continued					
07370660	Flat Creek near Olla, LA.	Lat 32°00'55", long 92°21'50", Winn Parish, at bridge on State Highway 127, 2.5 mi (4.0 km) downstream from Fish Creek, and 10.2 mi (16.4 km) northwest of Olla.	103	1966-82	2-10-66	48.62	a7,650
					5-31-67	45.46	a952
					4- 9-68	49.12	a9,570
					4-18-69	46.04	a1,660
					3-22-70	45.23	a693
					2-26-71	46.59	a2,440
					12- 3-71	48.37	a6,740
					4-16-73	47.43	a4,000
					4-12-74	50.98	a17,500
					5- 5-75	48.91	b8,750
					3- 9-76	45.36	a836
					3-12-77	47.43	a4,000
					5- 7-78	47.54	a4,250
					5- 4-79	47.16	a3,430
					4-13-80	47.28	a3,670
					6- 6-81	45.73	b1,280
					4-21-82	48.66	7,800
07370700	Beech Creek near Olla, LA.	Lat 31°54'55", long 92°23'35", Winn Parish, at bridge on State Highway 124, and 9.0 mi (14.5 km) west of Olla.	*58	1954-68, 1974-82	5- 1-54	41.30	a970
					5-30-55	42.04	a1,860
					2-13-56	41.63	a1,330
					6-29-57	42.27	a2,230
					9-21-58	44.46	a8,720
					4-21-59	42.56	a2,770
					3- 2-60	41.10	a780
					2-20-61	42.75	a3,180
					5- 4-62	42.12	a1,980
					4-26-64	42.18	a2,080
					12-11-64	37.19	a146
					2-10-66	44.18	a7,520
					5-31-67	41.94	a1,720
					4- 9-68	45.22	a12,400
					4-12-74	46.78	a23,900
					5- 5-75	45.55	a14,400
					6-17-76	40.38	a355
					3-12-77	43.37	a4,770
					5- 7-78	42.45	a2,560
					2-24-79	43.39	a4,820
					4-12-80	42.81	a3,310
					3- 4-81	40.57	b418
					4-20-82	42.64	2,940
07370750	Chickasaw Creek near Olla, LA.	Lat 31°52'30", long 92°13'35", La Salle Parish, at bridge on State Highway 127, 2.0 mi (3.2 km) southeast of Olla, and 3.5 mi (5.6 km) upstream from Tarver Creek.	47.6	1954-82	5- 1-54	41.08	a2,960
					4-13-55	40.22	a1,760
					2-13-56	38.95	a1,190
					6-22-57	40.58	a2,170
					11-17-57	40.04	a1,600
					4-21-59	36.60	a751
					3- 3-60	40.18	a1,720
					3-17-61	40.45	a2,010
					12-13-61	40.50	a2,070
					3- 2-64	40.31	a1,850
					3-31-65	40.88	a2,620
					2-10-66	43.22	a10,400
					4-14-67	39.98	a1,560
					4- 9-68	41.29	a3,350
					5- 8-69	39.70	a1,390
					5- 2-70	36.13	a676
					5-13-71	40.69	a2,330
					12- 3-71	38.80	a1,150
					3-16-73	41.80	a4,500
					4-12-74	40.93	a2,700
					5- 5-75	41.09	a2,970
					3- 9-76	37.38	a880
					3- 4-77	42.03	a5,130
					5- 7-78	39.76	a1,420
					1-20-79	41.97	a4,960
					2- 9-80	40.61	a2,210
					3- 4-81	38.07	b1,000
					4-20-82	38.96	1,190

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (ft³/s)
		Red River basin--Continued					
07370820	Dugdemona River near Quitman, LA.	Lat 32°20'40", long 92°44'40", Jackson Parish, at bridge on State Highway 155, and 1.7 mi (2.7 km) west of Quitman.	117	1965-82	4- 1-65	40.15	a700
					2-10-66	44.49	a6,720
					6- 1-67	40.35	a770
					4- 9-68	42.80	a3,800
					12-15-68	40.80	a1,050
					5- 2-70	40.61	a907
					5-11-71	40.19	a712
					1- 5-72	41.39	a1,710
					3-17-73	41.27	a1,550
					2-15-74	43.09	a4,290
					5- 4-75	43.53	a5,040
					7-13-76	40.98	a1,220
					1-14-77	40.32	a758
					5- 8-78	41.75	a2,190
					1-22-79	41.04	a1,280
					5-16-80	41.56	a1,930
					4-20-82	40.59	894
07370840	Choctaw Creek near Hodge, LA.	Lat 32°22'05", long 92°48'45", Bienville Parish, at bridge on State Highway 147, and 8.5 mi (13.7 km) northwest of Hodge.	16.5	1966-82	2-10-66	44.76	a2,960
					5-31-67	42.74	a766
					4- 8-68	43.75	a1,600
					11-30-68	42.62	a694
					5- 1-70	42.60	a683
					9- 1-71	42.05	a420
					1- 4-72	43.31	a1,180
					1- 7-73	42.64	a706
					1-24-74	44.00	a1,880
					10-31-74	43.98	a1,860
					2-18-76	42.68	a730
					1-14-77	42.66	a718
					5- 7-78	44.44	b2,460
					1-22-79	44.77	b2,980
					4-13-80	42.67	a724
					6- 7-81	41.52	b270
					4-20-82	42.67	729
07370930	Cypress Bayou at Quitman, LA.	Lat 32°20'45", long 92°42'55", Jackson Parish, at bridge on U.S. Highway 167, and 0.8 mi (1.3 km) southeast of Quitman.	91.8	1966-82	2-11-66	45.80	a13,500
					6- 1-67	40.10	a1,070
					4- 9-68	42.42	a4,420
					12-13-68	40.69	a1,660
					5- 2-70	40.30	a1,250
					1-30-72	41.55	a2,820
					3-17-73	41.21	a2,300
					2-15-74	42.79	a5,190
					5- 4-75	42.72	a5,040
					2-18-76	41.80	a3,240
					1-22-79	43.48	a6,750
					4-13-80	41.95	a3,510
					1982	<40.1	(*)
07370980	Little Dugdemona River near Hodge, LA.	Lat 32°16'20", long 92°41'40", Jackson Parish, at bridge on State Highway 813-3, and 1.7 mi (2.7 km) east of Hodge.	*20	1965-82	4- 1-65	44.89	a875
					2-10-66	46.40	a2,400
					5-31-67	42.03	a272
					4- 8-68	45.29	a1,100
					4-12-69	43.85	a460
					5- 1-70	44.57	a715
					5-11-71	44.78	a820
					1- 4-72	44.79	a825
					12-14-72	45.15	a1,020
					2-15-74	45.00	a930
					5- 3-75	46.57	a2,660
					2-18-76	46.16	a2,040
					1-14-77	44.72	a790
					5- 7-78	46.87	a3,140
					2-18-79	45.00	a930
					1-22-80	45.37	a1,170
					4-20-82	46.21	1,800

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (ft³/s)
		Red River basin--Continued					
07372110	Brushy Creek near Joyce, LA.	Lat 31°55'10", long 92°33'15", Winn Parish, at bridge on U.S. Highway 84, and 3.0 mi (4.8 km) southeast of Joyce.	*24	1965-82	3-31-65	43.07	a1,110
					2-10-66	44.91	a3,920
					4-14-67	42.40	a720
					5-11-68	45.62	a5,810
					12-06-68	42.93	a994
					5- 3-70	42.15	a650
					5-11-71	42.49	a747
					1- 4-72	44.15	a2,440
					5- 2-73	43.93	a2,080
					4-12-74	47.63	b14,800
					6-12-75	47.08	b11,600
					6-16-76	42.73	a858
					3- 4-77	41.11	a501
					1-30-78	42.47	a741
					5- 5-79	44.18	a2,490
					4-13-80	44.04	a2,250
					3- 4-81	42.81	b907
					4-21-82	43.22	1,250
07372300	Bear Creek near Packton, LA.	Lat 31°47'05", long 92°34'40", Grant Parish, at bridge on U.S. Highway 167, and 1.1 mi (1.8 km) south of Packton.	*11	1954-68, 1974-82	5- 1-54	44.02	a644
					4-13-55	44.10	a661
					4-28-57	45.87	a1,280
					7-22-58	48.33	b8,570
					4-19-59	41.50	b330
					2-15-60	42.68	b442
					3-17-61	45.74	a1,210
					5- 1-62	44.73	a809
					4- 5-64	45.49	a1,100
					3-31-65	45.81	a1,240
					2-10-66	46.79	a2,440
					5-31-67	46.47	a1,900
					4- 8-68	48.78	b12,200
					4-12-74	42.31	b372
					3-25-76	43.73	b500
					3-12-77	46.86	b2,570
					1-24-78	42.33	b373
					2-24-79	47.35	b3,830
					4-12-80	46.09	b1,430
					4-20-82	45.71	675
07372430	Bayou Funny Louis tributary No. 6 near Olla, LA.	Lat 31°52'35", long 92°01'15", La Salle Parish, at culvert on State Highway 126, 13.2 mi (21.2 km) east of Olla.	1.23	1973-82	4-20-82	9.36	(#)
07372900	Dyson Creek near Pollock, LA.	Lat 31°32'20", long 92°25'40", Grant Parish, at bridge on unnumbered parish road, 0.8 mi (1.3 km) upstream from mouth, and 1.6 mi (2.6 km) northwest of Pollock.	*12	1965-82	12-11-64	42.29	b511
					2-10-66	45.12	b1,950
					4-14-67	43.25	b820
					4- 9-68	43.31	b846
					7-23-69	47.87	b5,420
					12-29-69	41.25	b319
					12- 6-71	40.04	b188
					4-17-73	43.67	b1,010
					1-28-74	43.58	b969
					5- 4-75	44.53	b1,510
					3-30-76	39.82	b172
					3- 4-77	44.55	b1,530
					1- 6-78	41.22	b315
					2-24-79	43.79	b1,070
					4-12-80	43.58	b969
					6- 6-81	41.75	b396
					4-20-82	45.71	2,480
		Mermentau River basin					
08011800	Castor Creek near Oberlin, LA.	Lat 30°37'10", long 92°37'10", Allen Parish, at bridge on Parish road 0.1 mi (0.2 km) upstream from Mulberry Creek, and 8.5 mi (13.7 km) east of Oberlin.	43.9	1964-82	3- 7-64	46.02	a2,320
					12-11-64	47.01	a3,510
					3- 1-66	44.57	a985
					4-15-67	46.37	a2,740
					1-10-68	43.64	a803
					1-30-69	44.00	a835
					5-03-70	42.55	a704
					10-12-70	46.42	a2,800
					12- 6-71	45.58	a1,840
					3-25-73	47.62	b4,270
					6- 3-74	47.43	b4,020
					1- 8-75	46.68	b3,120
					3-26-76	45.24	b1,510
					4-21-77	48.08	a4,900
					12- 2-77	47.07	a3,580
					9-20-79	49.93	b8,560
					5-16-80	45.84	a2,120
					12-11-80	44.78	b1,120
					2-18-82	c46.10	2,420

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Calcasieu River basin					
08012650	Floctaw Creek near Lacamp, LA.	Lat 31°10'55", long 92°59'45", Vernon Parish, at bridge on State Highway 28, and 5.0 mi (8.0 km) northwest of Lacamp.	18.7	1951-68, 1974-82	1- 2-51	14.12	a1,670
					2- 3-52	13.30	a880
					5-18-53	19.00	a28,800
					5- 1-54	15.37	a4,260
					8- 3-55	15.95	a6,050
					3-11-56	13.63	a1,150
					12-23-56	13.90	a1,410
					11-10-57	14.07	a1,600
					2- 3-59	13.79	a1,300
					2-26-60	11.95	a433
					3-19-61	13.43	a974
					12-18-61	14.28	a1,890
					7- 4-63	12.82	a633
					3- 2-64	14.75	a2,740
					12-10-64	14.20	a1,780
					2-10-66	15.15	a3,670
					4-14-67	15.97	a6,130
					1- 9-68	14.33	a1,970
					1-20-74	14.23	a1,820
					5- 4-75	15.35	a4,200
					5- 9-76	13.94	a1,450
					3- 4-77	13.80	a1,310
					9-14-78	14.73	a2,700
					9-20-79	14.62	a2,480
					4-12-80	15.03	a3,370
					6- 6-81	14.22	b1,810
					2-17-82	11.97	436
08013610	Whisky Chitto Creek tributary near Leesville, LA.	Lat 31°06'55", long 93°09'50", Vernon Parish, at culvert on Ninth Street in North Fort Polk, 3.2 mi (5.1 km) upstream from mouth.	0.32	1966-82	2-10-66	a9.13	b307
					5-31-67	a9.65	b333
					6-19-68	a11.00	b396
					7-20-69	a8.78	b290
					12- 6-69	a10.87	b392
					10-18-70	a8.66	b285
					9-24-72	a8.61	b282
					1-31-73	a10.42	b371
					4-14-74	a9.79	b340
					5- 4-75	a11.29	b410
					2- 1-81	11.37	b413
					9-11-82	11.02	397
08013700	Drakes Creek near Pitkin, LA.	Lat 30°57'45", long 93°08'15", Vernon Parish, at bridge on State Highway 10, and 12.5 mi (20.1 km) west of Pitkin.	22.1	1954-68, 1974-82	5- 1-54	16.71	a4,750
					8- 4-55	17.41	a7,800
					2-10-56	14.20	a510
					12-23-56	14.62	a776
					9-20-58	15.59	a1,910
					2- 3-59	14.21	a515
					3- 3-60	13.17	a280
					1- 8-61	14.66	a808
					12- 8-61	15.06	a1,190
					12-25-62	13.32	a307
					3- 2-64	14.67	a816
					1-25-65	14.19	a506
					2-10-66	16.24	a3,310
					4-14-67	16.10	a2,960
					12-15-67	15.24	a1,400
					1-20-74	15.26	a1,430
					5- 4-75	16.38	a3,690
					10-26-75	14.51	a697
					3- 4-77	14.44	a648
					6- 7-78	15.91	a2,520
					9-20-79	15.75	a2,200
					4-12-80	16.62	a4,440
					6- 6-81	14.37	b602
					2-17-82	13.53	346

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Calcasieu River basin--Continued					
08013800	Little Sixmile Creek near Pitkin, LA.	Lat 30°58'05", long 93°00'45", Vernon Parish, at bridge on State Highway 10, 1.0 mi (1.6 km) upstream from Spurlock Branch, and 5.0 mi (8.0 km) west of Pitkin.	10.4	1954-82	5- 4-54	15.89	b3,040
					8- 3-55	14.27	b1,480
					12-25-62	11.78	b126
					3- 2-64	13.36	b799
					12-11-64	13.15	b670
					2-10-66	13.72	b1,040
					11-12-66	15.72	b2,940
					12-17-67	15.71	b2,930
					1-13-69	12.99	b580
					12- 6-69	12.61	b394
					3-29-71	12.57	b378
					12- 6-71	13.29	b754
					3-25-73	15.00	b2,160
					10-15-73	14.05	b1,300
					5- 4-75	14.01	b1,270
					10-26-75	13.29	b754
					3- 4-77	13.78	b1,090
					10-11-77	16.70	b4,200
					9-20-79	14.27	b1,480
					4-12-80	14.72	b1,880
					6- 6-81	13.63	b981
					4-18-82	12.68	426
08013950	Big Brushy Creek near Pitkin, LA.	Lat 30°54'55", long 92°53'30", Vernon Parish, at bridge on State Highway 10, and 3.0 mi (4.8 km) southeast of Pitkin, and 3.1 mi (5.0 km) upstream from mouth.	34.4	1965-82	12-12-64	15.76	a1,610
					2-10-66	16.33	a2,130
					11-12-66	20.70	a13,000
					1- 9-68	16.48	a2,280
					4-13-69	15.33	a1,300
					12- 6-69	11.72	a387
					10-12-70	14.45	a880
					12- 6-71	17.52	a3,840
					3-25-73	18.33	a5,460
					1-20-74	16.02	a1,820
					5- 4-75	16.62	a2,480
					3- 4-77	15.28	a1,270
					11-30-77	15.90	a1,720
					9-20-79	17.43	a3,700
					4-12-80	16.36	a2,160
					6- 6-81	16.55	b2,380
					2-17-82	14.29	827
08014000	Sixmile Creek near Sugartown, LA.	Lat 30°48'52", long 92°55'34", Allen Parish, at bridge on State Highway 112, 5.5 mi (8.9 km) east of Sugartown, and 6.6 mi (10.6 km) upstream from mouth.	171	1957-65d, 1966-82	2-11-66	14.17	a6,010
					12-17-67	14.27	a6,310
					3-19-69	12.72	a2,880
					10-12-70	12.02	a1,980
					12- 7-71	15.74	a11,500
					3-25-73	16.08	a12,900
					1-20-74	13.66	a4,620
					5- 1-75	13.72	a4,740
					10-26-75	13.46	a4,220
					3- 4-77	12.82	a3,030
					11-30-77	13.88	a5,140
					3- 3-79	12.94	a3,230
					4-12-80	13.09	a3,500
					6- 6-81	12.86	b3,100
					1982	<10.9	(*)
08014200	Tenmile Creek near Elizabeth, LA.	Lat 30°50'11", long 92°52'26", Allen Parish, at bridge on State Highway 112, 0.3 mi (0.5 km) downstream from Carter Branch, and 5.3 mi (8.5 km) southwest of Elizabeth.	94.2	1950-65d, 1966-82	2-11-66	13.99	a2,890
					11-12-66	18.28	a14,400
					12-17-67	14.54	a3,740
					3-19-69	13.50	a2,270
					5- 3-70	9.92	a553
					10-12-70	13.38	a2,130
					12- 7-71	15.88	a6,480
					3-25-73	16.01	a6,800
					1-20-74	14.54	a3,740
					5- 1-75	14.09	a3,030
					10-26-75	13.27	a2,010
					4-21-77	14.02	a2,930
					1-25-78	13.50	a2,270
					9-20-79	15.63	a5,900
					12-13-79	16.10	a7,030
					6- 6-81	15.35	b5,280
					2-17-82	12.22	1,140

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft³/s)
		Calcasieu River basin--Continued					
08014600	Flat Creek near De Ridder, LA.	Lat 30°51'05", long 93°14'45", Beauregard Parish, at bridge on State Highway 112, 2.4 mi (3.9 km) east of De Ridder, and 3.2 mi (5.1 km) upstream from mouth.	26.3	1964-82	4-19-64	9.42	a509
					1-23-65	10.82	a1,600
					2-10-66	12.60	a4,870
					11-11-66	12.96	a5,830
					1-10-68	10.92	a1,730
					2-22-69	10.46	a1,200
					12- 7-69	10.40	a1,140
					10-12-70	10.44	a1,180
					12- 6-71	11.30	a2,260
					3-25-73	13.42	a7,240
					1-20-74	11.12	a2,000
					5- 1-75	10.88	a1,680
					10-26-75	10.94	a1,750
					4-21-77	9.85	a700
					1-24-78	11.35	a2,340
					9-20-79	11.44	a2,480
					4-12-80	11.48	a2,550
					6- 6-81	10.48	b1,220
					2-17-82	9.02	400
08015200	Dry Creek at Dry Creek, LA.	Lat 30°39'25, long 93°02'45", Beauregard Parish, at bridge on State Highway 113, and 1.0 mi (1.6 km) south of Dry Creek.	42.7	1954-68, 1975-82	5- 3-54	18.95	b1,070
					2- 5-55	24.36	b6,790
					2-11-56	18.78	b1,020
					12-24-56	20.48	b1,670
					9-20-58	24.06	b6,180
					2-25-59	18.87	b1,040
					12-17-59	15.84	b465
					5-18-61	24.39	b6,850
					12-19-61	21.73	b2,730
					12-25-62	19.39	b1,200
					3- 2-64	21.31	b2,340
					3- 1-65	21.89	b2,890
					2-11-66	17.66	b768
					4-15-67	20.83	b1,920
					1-10-68	21.08	b2,140
					5-30-75	19.66	b1,300
					10-26-75	22.31	b3,380
					3- 4-77	20.75	b1,860
					12- 2-77	23.06	b4,440
					9-20-79	24.60	b7,300
					5-16-80	23.72	b5,550
					6- 7-81	20.21	b1,530
					12-31-81	20.21	1,530
08016500	Hickory Branch near Longville, LA.	Lat 30°36'23", long 93°15'49", Beauregard Parish, at bridge on State Highway 110, 2.1 mi (3.4 km) west of Longville, and 4.2 mi (6.8 km) upstream from Horse Branch.	34.9	1953-68, 1977-82	5-19-53	20.70	a8,440
					5- 2-54	18.85	a4,710
					5-20-55	21.38	a10,200
					2-10-56	15.48	a1,140
					12-23-56	18.19	a3,730
					9-20-58	19.12	a5,160
					2- 3-59	16.68	a2,030
					12-17-59	14.58	a756
					3-18-61	18.39	a4,010
					11-14-61	17.47	a2,830
					12-29-62	17.53	a2,900
					3- 2-64	17.27	a2,610
					12-10-64	16.58	a1,940
					2-10-66	15.14	a952
					4-15-67	16.47	a1,850
					1- 9-68	17.37	a2,720
					4-21-77	14.64	a768
					12- 2-77	18.26	b3,820
					9-20-79	17.53	a2,900
					5-16-80	18.95	b4,880
					6- 7-81	17.11	b2,440
					5-14-82	15.50	1,150

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
Calcasieu River basin--Continued							
08016600	Hickory Branch at Kernan, LA.	Lat 30°30'05", long 93°16'45", Beauregard Parish, at bridge on State Highway 12, 0.7 mi (1.1 km) southwest of Kernan, and 3.0 mi (4.8 km) upstream from Cowpen Creek.	82.2	1946-57d, 1958-82	12-23-45	16.10	a2,100
					1- 8-46	17.60	a2,520
					5-30-46	22.31	a4,530
					1-18-47	18.00	a2,640
					3-13-47	20.90	a3,620
					4-12-47	19.90	a3,230
					6-22-47	26.00	a8,500
					2-25-48	16.70	a2,270
					1- 3-49	17.16	a2,390
					2-19-49	17.33	a2,440
					3-22-49	18.87	a2,900
					3-27-49	17.97	a2,630
					4-10-49	19.15	a2,990
					4-23-49	20.16	a3,320
					10- 5-49	16.54	a2,220
					12-18-49	17.72	a2,560
					2-14-50	21.56	a3,990
					3- 4-50	20.11	a3,300
					4-30-50	17.38	a2,460
					6- 4-50	25.58	a7,950
					2- 2-52	20.79	a3,570
					4-23-52	23.09	a5,200
					7-17-52	19.62	a3,140
					2-24-53	18.17	a2,690
					4-25-53	18.30	a2,730
					4-30-53	22.18	a4,420
					5- 4-53	20.74	a3,550
					5-13-53	17.25	a2,420
					5-19-53	26.26	a8,890
					5- 2-54	21.12	a3,730
					2- 6-55	25.89	a8,360
					4-13-55	17.49	a2,490
					5-20-55	27.83	a11,400
					8- 4-55	24.78	a6,960
					8- 9-55	18.28	a2,720
					12-23-56	22.42	a4,620
					3-18-57	16.25	a2,140
					4-30-57	16.27	a2,150
					9-20-58	27.62	a11,100
					3-18-61	26.13	a8,700
					12-19-61	19.25	a3,020
					3- 3-64	19.98	a3,250
					3- 1-65	20.33	a3,380
					4-16-67	24.00	a6,100
					1-10-68	19.99	a3,260
					2-22-69	20.37	a3,400
					10-12-70	26.53	a9,300
					12- 6-71	18.89	a2,910
					3-25-73	21.04	a3,690
					1-20-74	24.14	a6,250
					1- 8-75	20.25	a3,350
					3-26-76	21.05	a3,700
					12- 2-77	25.95	a8,440
					9-20-79	22.96	a5,080
					5-16-80	27.76	a11,300
					6- 7-81	20.24	b3,350
					1982	<16.9	(*)
Sabine River basin							
08022600	Bayou Castor near Longstreet, LA.	Lat 32°05'35", long 93°55'15", De Soto Parish, at bridge on State Highway 3015, and 1.8 mi (2.9 km) east of Longstreet.	27.7	1954-68, 1974-82	4-17-82	12.77	(*)
08023270	Bull Bayou near Hunter, LA.	Lat 31°53'10", long 93°50'30", De Soto Parish, at bridge on State Highway 174, 1.1 mi (1.8 km) southeast of Hunter, and 3.2 mi (5.1 km) upstream from mouth.	8.54	1964-82	4-27-64	9.71	b214
					5-12-65	11.82	b396
					4-27-66	12.40	b451
					4- 2-68	12.69	b479
					12- 2-68	12.46	b457
					5- 3-70	10.77	b302
					7- 5-72	10.27	b260
					3-25-73	11.35	b353
					1-25-74	12.16	b428
					5- 6-75	12.08	b421
					3- 4-77	10.48	b277
					9-14-78	10.31	b263
					1-20-79	11.76	b391
					4-12-80	14.57	b672
					4-17-82	11.42	360

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Sabine River basin--Continued					
08024030	Bayou Scie at Zwolle, LA.	Lat 31°37'45", long 93°37'40" Sabine Parish, at bridge on U.S. Highway 171, and 1.0 mi (1.6 km) east of Zwolle.	45.9	1950-68, 1974-82	6- 3-50	15.82	a13,300
					5- 2-51	11.01	a1,570
					4-23-52	10.50	a1,130
					3-11-53	13.73	a6,200
					4-18-54	9.83	a759
					8- 3-55	9.96	a804
					2- 8-56	7.55	a446
					4-30-57	11.33	a1,900
					9-20-58	12.34	a3,280
					2- 4-59	7.21	a415
					2-25-60	11.48	a2,080
					1- 9-61	14.12	b7,310
					12-18-61	12.32	a3,250
					12-29-62	6.22	a316
					4- 6-64	10.41	a1,070
					4- 1-65	11.57	a2,180
					2-10-66	13.48	a5,560
					6- 3-67	8.98	a588
					4- 9-68	16.33	b15,800
					4-12-74	12.13	a2,960
					2-16-75	11.75	a2,420
					6- 1-76	9.67	a712
					3- 4-77	8.49	a535
					1-19-78	9.17	a611
					1-20-79	12.59	a3,700
					5-16-80	11.25	a1,820
					6- 5-81	10.50	b1,130
					4-21-82	11.39	1,970
08024060	Blackwell Creek at Many, LA.	Lat 31°34'50", long 93°27'45", Sabine Parish, at bridge on State Highway 6, 0.2 mi (0.3 km) northeast of Many, and 0.8 mi (1.3 km) upstream from mouth.	3.16	1960-68d, 1969-82	4-25-74	12.48	a841
					6-21-82	10.20	493
08025850	Pearl Creek at State Highway 111, at Burr Ferry, LA.	Lat 31°04'32", long 93°29'22", Vernon Parish, at bridge 0.8 mi (1.3 km) northeast of Burr Ferry.	9.66	1967-82	2-23-69	6.78	b664
					12- 7-69	6.15	b520
					2-27-71	6.03	b495
					12- 6-71	7.63	b890
					4-16-73	8.70	b1,240
					12- 4-73	5.05	b313
					5- 4-75	6.88	b689
					6-20-76	5.15	b329
					3- 4-77	6.26	b544
					1-20-79	4.68	b259
					4-12-80	9.74	b1,650
					3- 5-81	4.75	b268
					1982	f<5.00	(#)
08026200	Red Bank Creek at Evans, LA.	Lat 30°59'30", long 93°29'55", Vernon Parish, at bridge on State Highway 111, 0.4 mi (0.6 km) northeast of Evans, and 2.8 mi (4.5 km) upstream from mouth.	17.2	1966-82	2- 9-66	19.95	b3,630
					4-15-67	17.48	b1,700
					1-10-68	11.93	b165
					2-23-69	14.65	b577
					12- 7-69	12.95	b271
					2-27-71	13.87	b409
					12- 6-71	13.96	b424
					3-25-73	17.32	b1,600
					1-20-74	12.77	b250
					5-30-75	18.55	b2,410
					10-25-75	13.82	b400
					3- 4-77	11.13	b114
					1-24-78	17.52	b1,720
					1-20-79	12.82	b256
					4-12-80	20.60	b4,320
					3- 5-81	12.38	b209
					2-17-82	15.06	688

See footnotes at end of the table.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (ft³/s)
		Sabine River basin--Continued					
08026700	West Anacoco Creek near Hornbeck, LA.	Lat 31°18'00", long 93°22'10", Vernon Parish, at bridge on U.S. Highway 171, and 2.5 mi (4.0 km) southeast of Hornbeck.	22.2	1950-68, 1974-82	6- 2-50	18.11	a7,340
					1- 2-51	14.99	a3,350
					2- 2-52	10.09	a258
					5-18-53	18.31	a7,660
					4-17-54	13.09	a1,700
					8- 3-55	17.43	a6,330
					1-22-56	11.27	a666
					6-28-57	11.52	a779
					8-27-58	13.89	a2,330
					2- 3-59	11.14	a611
					12-17-59	12.47	a1,290
					3-17-61	17.23	b6,050
					5- 2-62	12.02	a1,030
					12-29-62	13.36	a1,900
					12-10-64	11.26	a662
					2-10-66	17.09	a5,860
					6- 1-67	13.12	a1,720
					4- 9-68	18.48	b7,930
					4-12-74	17.88	b7,000
					5- 4-75	15.19	b3,560
					5- 8-76	13.45	a1,970
					3- 4-77	13.15	a1,750
					1-24-78	11.87	a950
					2-24-79	13.80	a2,250
					2- 9-80	12.79	a1,500
					6- 5-81	11.02	b563
					4-21-82	11.80	915
08027550	Prairie Creek near Leesville, LA.	Lat 31°10'40", long 93°16'30", Vernon Parish, at bridge on U.S. Highway 171, and 2.5 mi (4.0 km) northwest of Leesville.	40.0	1949-68, 1974-82	3-28-49	42.00	a1,640
					6- 3-50	46.66	a12,600
					1- 2-51	43.46	a3,080
					4-11-52	45.64	a8,030
					4-29-53	47.68	a19,600
					12- 5-53	41.94	a1,600
					8- 3-55	46.65	a12,500
					2- 9-56	41.10	a1,160
					12-15-56	41.68	a1,450
					9-20-58	43.47	a3,090
					2- 3-59	42.65	a2,120
					6-26-60	41.24	a1,230
					3-17-61	45.26	a6,770
					12-18-61	42.28	a1,840
					3-11-63	40.11	a804
					3- 2-64	43.63	a3,310
					1-23-65	41.63	a1,420
					2-10-66	47.24	b16,200
					4-15-67	43.61	a3,270
					4- 9-68	42.49	a2,000
					6- 5-74	37.82	b560
					5- 4-75	42.63	a2,110
					5- 8-76	42.35	a1,890
					3- 4-77	41.91	a1,600
					1-24-78	42.09	a1,700
					2-24-79	42.45	a1,970
					4-12-80	42.98	a2,470
					6- 5-81	42.13	b1,730
					4-17-82	43.25	2,790
08029700	Brushy Creek at Bancroft, LA.	Lat 30°33'35", long 93°40'49", Beauregard Parish, at bridge on State Highway 389, and 0.8 mi (1.3 km) south of Bancroft.	25.9	1954-68, 1974-82	4-15-67	14.66	b1,170
					1-10-68	15.22	b1,620
					1-20-74	15.92	b2,360
					1- 8-75	13.71	b640
					3-26-76	14.68	b1,190
					3- 4-77	13.89	b720
					1-24-78	15.26	b1,650
					9-20-79	15.11	b1,520
					5-17-80	16.92	b3,880
					3- 5-81	12.71	b302
					5-15-82	13.43	554

* Approximately.
# Discharge not determined.
a Revised, see explanation at beginning of table.
b Not previously published.
c Elevation; National Geodetic Vertical Datum of 1929.
d Operated as a continuous-record gaging station.
e Converted to a continuous-record station October 1, 1982.
f Datum change.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

The following table contains annual maximum elevation for flood-profile stations. A flood-profile gage is a device which will register the peak elevation occurring between inspections. The date of the maximum elevation is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Where two or more sites on the same stream have annual peaks caused by different floods, all floods are listed for each site. The years given in the period of record represent water years for which the annual maximum has been determined.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Flood peak	
					Date	Elevation, in feet (NGVD)
		Red River basin				
07349365	Macks Bayou at Bossier City, LA.	Lat 32°31'59", long 93°40'24", Caddo Parish, at bridge on U.S. Highway 80 and 3.3 mi (5.3 km) northeast of Bossier City Post Office.	(*)	1963-82	1982	<158.8
07349400	Flat River near Elm Grove, LA.	Lat 32°19'45", long 93°31'20", Bossier Parish at bridge on State Highway 157, and 2.2 mi (3.5 km) southeast of Elm Grove.	112	1960-82	1982	<140.0
07349590	Ivan Lake near Cotton Valley, LA.	Lat 32°49'45", long 93°29'20", Bossier Parish, at bridge 100 ft above dam, and 4.0 mi (6.4 km) west of Cotton Valley.	37.8	1960-82,	6-16-82	200.47
07349900	Swan Lake near Elm Grove, LA.	Lat 32°16'55", long 93°27'05", Bossier Parish, at bridge on unnumbered parish road, and 7.5 mi (12.1 km) southeast of Elm Grove.	1,020	1961-82	7-10-82	131.74
07350300	Coushatta Bayou near Crichton, LA.	Lat 32°07'10", long 93°24'10", Red River Parish, at bridge on State Highway 515, and 1.8 mi (2.9 km) east of Crichton.	15.9	1960-82	1982	<128.4
07350820	Sand Beach Bayou at Shreveport, LA.	Lat 32°26'35", long 93°43'27", Caddo Parish, at bridge on East 70th Street, and 4.3 mi (6.9 km) southeast of Shreveport city hall.	(*)	1963-82	1982	*42.6
07351200	Brush Bayou at Shreveport, LA.	Lat 32°26'23", long 93°46'52", Caddo Parish, at Southern Pacific Transportation Railway Company railroad bridge, and 4.9 mi (7.9 km) southwest of Shreveport city hall.	3.4	1960-82	1982	<180.8
07352150	Saline Lake near Clarence, LA.	Lat 31°51'10", long 92°56'10", Natchitoches-Winn Parish line, 100 ft (30.5 m) left of spillway, and 5.9 mi (9.5 km) northeast of Clarence.	(b)	1960-82	1982	a,<106.5
07352410	Kepler Lake near Castor, LA.	Lat 32°18'40", long 93°09'30", Bienville Parish, at dam on Kepler Lake, and 5.0 mi (8.0 km) north of Castor.	46.2	1960-65b, 1966-82	2-18-82	177.44
07352900	Saline Bayou at Allen Dam, near Clarence, LA (dicontinued).	Lat 31°51'05", long 92°56'45", Natchitoches Parish, on right bank upstream wing wall of spillway, and 5.3 mi (8.5 km) northeast of Clarence.	(c)	1960-82	1982	<100.9
07354740	Old River at Montrose, LA.	Lat 31°34'25", long 92°59'40", Natchitoches Parish, at bridge on State Highway 1 at Montrose.	471	1960-82	1982	<94.9
07354780	Cane River near Cloutierville, LA.	Lat 31°33'15", long 92°53'20", Natchitoches Parish, on left bank at south end of drainage canal and floodgates on State Highway 495, and 2.2 mi (3.5 km) northeast of Cloutierville.	582	1960-82	1982	<94.9

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Flood peak	
					Date	Elevation, in feet (NGVD)
		Red River basin--Continued				
07355400	Bayou Marteau near Rock Hill, LA.	Lat 31°25'30", long 92°35'50", Grant Parish, at bridge on unnumbered parish road, 2.2 mi (3.5 km) southwest of Rock Hill, and 5.0 mi (8.0 km) northeast of Boyce.	(#)	1960-82	3-31-82	78.45
07355475	Bayou Rapides near Alexandria, LA.	Lat 31°18'43", long 92°33'38", Rapides Parish, at bridge on parish road, 12.2 mi (19.6 km) upstream from mouth, and 6.9 mi (11.1 km) west of Alexandria city hall.	(#)	1963-82	1982	<81.5
07355490	Bayou Rapides at control structure, at Alexandria, LA.	Lat 31°17'59", long 92°29'42", Rapides Parish, 100 ft (30 m) north of State Highway 496, and 3.1 mi (5.0 km) west of Alexandria city hall.	(d)	1963-82	1982	<73.9
07366270	Bayou D'Arbonne Lake west of Farmerville, LA.	Lat 32°47'07", long 92°27'25", Union Parish, on downstream side of bridge on State Highway 2, and 3.1 mi (5.0 km) west of Farmerville.	(d)	1979-82	1-23-79 4-15-80 6- 9-81 2-16-82	e84.03 e82.42 e82.00 81.07
07366365	Bayou D'Arbonne below dam, near Downsville, LA.	Lat 32°42'46", long 92°20'26", Union Parish, on downstream side of dam at left end, and 7.4mi (11.9 km) northeast of Downsville.	1,607	1978-82	1982	<66.0
07367030	Black Bayou at West Monroe, LA.	Lat 32°29'55", long 92°08'30", Ouachita Parish, on downstream side of bridge at Interstate 20-State Highway 34 exit at West Monroe.	(#)	1978-82	2-16-82	*34.03
07367500	Cheniere Brake near Bawcomville, LA.	Lat 32°27'10", long 92°11'29", Ouachita Parish, on downstream side of bridge on State Highway 3033, and 1.5 mi (2.4 km) southwest of Bawcomville.	147	1944-45f, 1978-82	1982	g38.0
07367502	Cheniere Creek south of Bawcomville, LA.	Lat 32°26'22", long 92°10'20", Ouachita Parish, on downstream side of bridge on State Highway 34, and 1.5 mi (2.4 km) south of Bawcomville.	(#)	1978-82	1982	g33.6
07368810	Bayou Galion west of Oak Ridge, LA.	Lat 32°37'35", long 91°50'19", Morehouse Parish, on downstream side of bridge on State Highway 134, and 3.7 mi (6.0 km) west of Oak Ridge.	(#)	1979-82	4-20-82	*42.21
07369016	Youngs Bayou at Monroe, LA.	Lat 32°29'37", long 92°04'56", Ouachita Parish, at bridge on service road of U.S. Highway 165, and 0.5 mi (0.8 km) south of junction with Interstate 20 at Monroe.	(#)	1978-82	2-16-82	*40.99
07369024	Youngs Bayou near Monroe, LA.	Lat 32°27'34", long 92°02'49", Ouachita Parish, at bridge on Moore Road, and 3.1 mi (5.0 km) southeast of Monroe.	(#)	1978-82	2-16-82	*40.31
07369195	Turkey Creek near Baskin, LA.	Lat 32°14'50", long 91°40'45", Franklin Parish, at bridge on State Highway 577, and 3.7	(#)	1978-82	6-30-82	*45.11
07369205	Turkey Creek at State Highway 15, at Winnsboro, LA.	Lat 32°09'15", long 91°42'42", Franklin Parish, at bridge on State Highway 15, at Winnsboro.	28.8	1975-80f, 1981-82	6-30-82	60.93
07369253	Turkey Creek at Jigger, LA.	Lat 32°02'05", long 91°44'06", Franklin Parish, at bridge on State Highway 128, and 0.7 mi (1.1 km) east of Jigger. mi (6.0 km) east of Baskin.	62.0	1975-82	1982	g35.8

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

					Flood peak	
Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Elevation, in feet (NGVD)
		Red River basin--Continued				
07369300	Deer Creek near Wisner, LA.	Lat 31°57'00", long 91°39'15", Franklin Parish, at bridge on State Highway 15, and 2.0 mi (3.2 km) south of Wisner.	27.1	1978-82	9-12-82	*42.42
07369325	Rawson Creek near Harrisonburg, LA.	Lat 31°49'41", long 91°48'54", Catahoula Parish, at bridge on State Highway 124, and 4.2 mi (6.8 km) north of Harrisonburg.	(#)	1978-82	1982	g34.0
07369365	Bushley Bayou near Harrisonburg, LA.	Lat 31°44'36", long 91°49'41", Catahoula Parish, at bridge on State Highway 124, and 2.2 mi (3.5 km) south of Harrisonburg.	(#)	1978-80f, 1981-82	1982	<50.1
07369455	Brushy Bayou at Tallulah, LA.	Lat 32°23'52", long 91°11'57", Madison Parish, at bridge on U.S. Highway 65, at Tallulah.	(#)	1975-80f, 1981-82	6-26-82	74.61
07369457	Lower Roundaway Bayou tributary near Tallulah, LA.	Lat 32°22'33", long 91°11'57", Madison Parish, near center of bridge on U.S. Highway 65, and 1.5 mi (2.4 km) south of Tallulah.	(#)	1975-80f, 1981-82	9-13-82	73.29
07369460	Roundaway Bayou near Tallulah, LA.	Lat 32°23'09", long 91°12'30", Madison Parish, at bridge on State Highway 603, and 1.5 mi (2.4 km) southwest of Tallulah.	28	1954-59b, 1978-82	9-13-82	*34.62
07369468	Panola Bayou at Tallulah, LA.	Lat 32°25'02", long 91°12'24", Madison Parish, at bridge on U.S. Highway 80, and 0.2 mi (0.3 km) northeast of Tallulah.	(#)	1978-80f, 1981-82	9-13-82	76.74
07371600	Dugdemona River near Dodson, LA (station discontinued).	Lat 32°07'22", long 92°48'24", Winn Parish, at bridge on State Highway 126, and 9.1 mi (14.6 km) northwest of Dodson.	412	1959-82	3-18-73 6-11-81 4-21-82	e117.14 e114.40 117.71
07373282.3	Bayou Cocodrie at Ferriday, LA.	Lat 31°37'33", long 91°34'37", Concordia Parish, at culvert on U.S. Highway 84, and 1.5 mi (2.4 km) southwest of Ferriday Post Office.	(d)	1978-82	1982	g21.7
07373283.2	Black River Lake at Monterey, LA.	Lat 31°26'39", long 91°43'10", Concordia Parish, on left bank 0.1 mi (0.2 km) west of State Highway 129, 0.7 mi (1.1 km) south of Monterey, and 1.1 mi (1.8 km) south of Monterey High School.	(#)	1978-82	1982	g16.4
		Mississippi River Delta				
07382256	Bayou Rapides-Boeuf-Cocodrie diversion channel at Alexandria, LA.	Lat 30°17'43", long 92°29'38", Rapides Parish, at bridge on State Highway 28, and 3.2 mi (5.1 km) west of Alexandria city hall.	(d)	1963-82	1977 1982	e,<71.9 <71.9
07382257	Bayou Rapides-Boeuf-Cocodrie diversion channel at State Highway 488, near Alexandria, LA.	Lat 31°15'37", long 92°31'13", Rapides Parish, at bridge and 5.7 mi (9.2 km) southwest of Alexandria city hall.	(d)	1963-82	1982	<67.3
07382258	Bayou Rapides-Boeuf-Cocodrie diversion channel at U.S. Highway 165, near Alexandria, LA.	Lat 31°13'39", long 92°29'49" Rapides Parish, at bridge 6.5 mi (10.5 km) southwest of Alexandria city hall.	(d)	1963-82	1982	<69.2

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1982--Continued

Station No.	Station name	Location	Drainage area (mi²)	Period of record	Flood peak	
					Date	Elevation, in feet (NGVD)
		Mississippi River Delta--Continued				
07382700	Bayou Carron at Washington, LA.	Lat 30°36'55", long 92°03'50", St. Landry Parish, at bridge on State Highway 10 at Washington.	82.6	1973-82	2-19-82	*46.72
07382840	Hynson Bayou at Bringhurst Park, at Alexandria, LA.	Lat 31°17'19", long 92°27'16", Rapides Parish, on right bank just below bridge on Masonic Drive, and 1.7 mi (2.7 km) south of Alexandria city hall.	(#)	1963-82	1982	<75.3
07382850	Horseshoe Drainage Canal at Packing House Road, at Alexandria, LA.	Lat 31°16'25", long 92°26'15", Rapides Parish, at bridge 2.6 mi (4.2 km) south of Alexandria city hall.	(#)	1960-82	2-16-82	67.30
07382855	Hynson Bayou at Midway St., at Alexandria, LA.	Lat 31°16'15", long 92°25'22", Rapides Parish, at bridge 3.1 mi (5.0 km) southeast of Alexandria, city hall.	(#)	1963-82	10-13-70 2-16-82	e70.11 67.31
07382865	Persimmon Bayou near Alexandria, LA.	Lat 31°13'45", long 92°22'51", Rapides Parish, at Texas and Pacific Railway bridge, just downstream from State Highway 1, and 6.7 mi (10.8 km) southeast of Alexandria city hall.	(#)	1963-82	2-16-82	66.00
		Calcasieu River basin				
08012600	Calcasieu River near Slagle, LA.	Lat 31°13'30", long 93°06'05", Vernon Parish, at bridge on State Highway 8, and 2.2 mi (3.5 km) northeast of Slagle.	48.1	1959-82	4- 1-82	*13.56
		Sabine River basin				
08025700	Sandy Creek near Burr Ferry, LA.	Lat 31°08'30", long 93°31'10", Vernon Parish, at bridge on State Highway 111, and 5.3 mi (8.5 km) northeast of Burr Ferry.	33.7	1964-82	1964 1982	e,<108.2 <108.4

# Drainage area not determined.
* Gage datum, NGVD of gage not determined.
a Lake was drained March 1982.
b Operated as a crest-stage partial-record station.
c Combined drainage area for stations 07352150 and 07352900, 1,325 sq mi.
d Drainage area indeterminate.
e Not previously published at present datum.
f Operated as a continuous-record gaging station.
g Gage datum, NGVD of gage not determined and less than amount shown.

PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1982

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
		Red River Basin				
Madden Mill Creek	Black Lake Bayou	Lat 32°23'50", long 93°11'06", Bienville Parish, at bridge on unnumbered parish road, 3.0 mi (4.8 km) northeast of Lawhon, and 4.2 mi (6.8 km) southeast of Fryeburg, LA.	(#)	1978-79	1-2-82 5-5-82	5.44 2.74
Little River	Black River	Lat 31°34'50", long 92°18'35", on line between La Salle and Grant Parishes, at bridge on State Highway 8, 0.7 mi (1.1 km) downstream from Trout Creek, and 7.0 mi (11.3 km) northeast of Pollock, LA.	2,254	1952-54 1961-62 1964-67 1969 1971 1977	5-26-82 6-14-82 7-12-82 8- 9-82 9-13-82	385 248 212 186 151
		Mermentau River Basin				
Bayou Nezpique	Mermentau River	Lat 30°35'00", long 92°35'53", Evangeline Parish, at bridge on State Higheay 104, 7.2 mi (11.6 km) north of Basile, LA.	(#)	1981	6-15-81 7-28-81 9- 3-81 11-13-81 12-16-81 1-28-82 3- 1-82 4-19-82 7-27-82 8-26-82	1600 28.2 7.0 114 31.3 75.5 259 548 293 13.6
		Mississippi River Delta				
Bayou Cocodrie	Bayou Boeuf Cocodrie diversion channel.	Lat 30°51'28", long 92°15'31", at bridge on State Highway 106, 0.2 mi (0.3 km) south of St. Landry, LA.	(#)	1970	7-28-82 8-25-82	194 290
		Calcasieu River Basin				
Calcasieu River	Gulf of Mexico	Lat 30°49'20", long 92°41'04", at bridge on State Highway 10, 1.3 mi (2.3 km) northeast of junction of U.S. Highway 165 and State Highway 10.	(#)	1953	8-25-82	34.7
		Sabine River Basin				
Bayou San Patricio	Sabine River	Lat 31°55'47", long 93°38'18", De Soto Parish, at bridge on unnumbered parish road, 1.0 mi (1.6 km) northwest of Oxford, LA.	30.9	1978-81	7-14-81	a.24
Negreet Creek	Sabine River	Lat 31°27'56", long 93°34'40", Sabine Parish, at bridge on State Highway 191, 0.4 mi (0.6 km) southwest of Negreet, LA.	(#)	1978-81	6-18-80 9-21-81 1-26-82	b1.42 a.22 c.28
Negreet Creek tributary	Sabine River	Lat 31°28'01", long 93°35'14", Sabine Parish, at culvert on State Highway 191, 0.8 mi (1.3 km) southwest of Negreet, LA.	(#)	1978-81	6-18-80 9-21-81 1-26-82	a0 a0 c0

# Drainage area not determined.
a Base flow; not previously published.
b Not previously published.
c Base flow.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION

The following water-quality sites are being sampled as part of a two-year limnological study on Lake Bruin, in cooperation with the Louisiana Department of Transportation and Development, Office of Public Works.

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 28...	0915	155	7.0	19.0	5	3.0	5.6	150	.6	--	K18
DEC 30...	1300	150	7.2	11.0	0	3.0	9.4	<10	1.4	K1	<1
MAR 10...	1530	149	7.6	13.5	5	3.0	11.3	22	3.4	K4	40
MAY 06...	1515	139	8.5	24.5	5	--	11.1	<10	1.9	K1	K16
JUN 22...	1620	147	8.2	29.0	10	1.0	10.1	30	1.7	K4	K32
SEP 29...	1130	160	7.7	24.5	--	--	7.7	--	--	--	--
B29...	1131	258	6.4	17.5	--	--	.1	--	--	--	--

DATE	ALKA-LINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT 28...	69	138	.11	.06	.49	.34	.04	.02	.01	<.01
DEC 30...	75	6	.28	.30	.56	.56	.03	<.01	<.01	<.01
MAR 10...	--	12	.37	.36	.76	.59	.06	.02	.02	.01
MAY 06...	69	4	<.10	<.10	.50	.55	.03	.01	<.01	<.01
JUN 22...	67	4	<.10	<.10	.40	.40	.03	.01	<.01	<.01
SEP 29...	--	--	<.10	<.10	2.6	2.5	.04	.01	.01	<.01
B29...	--	--	--	.15	2.8	3.1	.62	.44	.18	.29

DATE	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)
OCT 28...	4.7	1.4	<.1	<1	<.1	<1	<.001	<.1	<.1
O28...	--	--	--	<1	--	<1	--	<.1	--
P28...	--	--	--	5	--	<1	--	<.1	--
DEC 30...	41	--	<.1	<1	<.1	<1	<.001	<.1	<.1
MAR 10...	3.5	1.7	<.1	<1	<.1	<1	<.001	<.1	<.1
MAY 06...	4.7	1.6	<.1	<1	<.1	<1	<.001	<.1	<.1
JUN B22...	--	--	<.1	--	<.1	--	<.001	--	<.1
22...	--	--	<.1	--	<.1	--	<.001	--	<.1

< Actual value is known to be less than the value shown.
B Sample collected near the bottom of the lake.
K Results based on colony count outside the acceptable range (non-ideal count).
O Sample collected near the north shore of this site.
P Sample collected near the south shore of this site.

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT									
28...	20	<.001	95	<.001	150	<.001	9.3	<.01	<.1
O28...	5.0	--	6.6	--	11	--	3.1	--	<.1
P28...	63	--	32	--	52	--	3.8	--	<.1
DEC									
30...	33	<.001	130	<.001	220	<.001	67	<.01	<.1
MAR									
10...	24	<.001	97	<.001	160	.003	49	<.01	<.1
MAY									
06...	28	<.001	96	<.001	140	<.001	9.3	<.01	<.1
JUN									
B22...	--	.016	--	<.001	--	.007	--	<.01	--
22...	--	<.001	--	<.001	--	<.001	--	.13	--

DATE	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT								
28...	<.001	1.0	<.001	<.1	<.001	<.1	<.01	<.1
O28...	--	<.1	--	<.1	--	<.1	--	<.1
P28...	--	<.1	--	<.1	--	<.1	--	<.1
DEC								
30...	<.001	2.4	<.001	1.3	<.001	.6	<.01	<.1
MAR								
10...	.004	2.0	<.001	<.1	<.001	<.1	<.01	<.1
MAY								
06...	.002	.7	<.001	<.1	<.001	<.1	<.01	<.1
JUN								
B22...	.023	--	<.001	--	<.001	--	<.01	--
22...	<.001	--	<.001	--	<.001	--	<.01	--

DATE	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)
OCT											
28...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01
O28...	--	<.1	--	<.1	--	<.1	--	<.1	--	<.1	--
P28...	--	<.1	--	<.1	--	<.1	--	<.1	--	<.1	--
DEC											
30...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01
MAR											
10...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01
MAY											
06...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01
JUN											
B22...	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--	<.01
22...	<.001	--	<.001	--	<.001	--	<.01	--	<.01	--	<.01

< Actual value is known to be less than the value shown.
B Sample collected near the bottom of the lake.

O Sample collected near the north shore of this site.
P Sample collected near the south shore of this site.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	PER-THANE IN BOTTOM MATERIL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT											
28...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
O28...	<.1	--	<.1	--	<.1	--	<.1	--	<.1	--	<1
P28...	<.1	--	<.1	--	<.1	--	<.1	--	<.1	--	<1
DEC											
30...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
MAR											
10...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1	<1	<10
MAY											
06...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1	<1	<10
JUN											
B22...	--	<.01	--	<.01	--	<.01	--	<.1	--	<1	--
22...	--	<.01	--	<.01	--	<.01	--	<.1	--	<1	--

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	ALGAL GROWTH POTEN-TIAL, BOTTLE TEST (MG/L)
OCT										
28...	<.01	<.1	<.01	<.01	<.01	<.01	140000	5.22	<.100	11
O28...	--	<.1	--	--	--	--	--	--	--	--
P28...	--	<.1	--	--	--	--	--	--	--	--
DEC										
30...	<.01	<.1	.03	<.01	<.01	<.01	26000	9.95	<.100	.2
MAR										
10...	<.01	<.1	.01	<.01	<.01	<.01	15000	19.2	<.100	.6
MAY										
06...	<.01	<.1	.01	<.01	<.01	<.01	40000	12.0	<.100	<1.0
JUN										
B22...	<.01	--	.02	<.01	<.01	<.01	--	--	--	--
22...	<.01	--	.02	<.01	<.01	<.01	--	--	--	--
SEP										
29...	--	--	--	--	--	--	--	--	--	1.0
B29...	--	--	--	--	--	--	--	--	--	5.0

< Actual value is known to be less than the value shown.
B Sample collected near the bottom of the lake.
O Sample collected near the north shore of this site.
P Sample collected near the south shore of this site.

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1981 TO JUNE 1982

DATE	OCT 28,81	DEC 30,81	MAR 10,82	MAY 6,82	JUN 22,82
TIME	0915	1300	1530	1515	1620
TOTAL CELLS/ML	140000	26000	15000	40000	150000
DIVERSITY: DIVISION	0.2	1.4	1.5	1.0	0.1
.CLASS	0.2	1.4	1.5	1.0	0.1
..ORDER	1.3	1.7	1.6	1.4	1.0
...FAMILY	1.4	1.9	1.6	1.6	1.0
....GENUS	1.8	2.4	2.3	1.6	1.0

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)										
.BACILLARIOPHYCEAE										
..BACILLARIALES										
...NITZSCHIACEAE										
....NITZSCHIA	--	-	*	0	--	-	--	-	--	-
..EUPODISCALES										
...COSCINODISCACEAE										
....CYCLOTELLA	--	-	1100	4	3700#	25	1700	4	--	-
....MELOSIRA	--	-	1400	5	2000	14	--	-	--	-
..FRAGILARIALES										
...FRAGILARIACEAE										
....SYNEDRA	--	-	--	-	--	-	210	1	980	1
CHLOROPHYTA (GREEN ALGAE)										
.CHLOROPHYCEAE										
..CHLOROCOCCALES										
...CHLOROCOCCACEAE										
....POLYEDRIOPSIS	--	-	--	-	--	-	*	0	--	-
....SCHROEDERIA	*	0	--	-	--	-	--	-	--	-
....TETRAEDRON	*	0	--	-	--	-	*	0	--	-
...COCCOMYXACEAE										
....ELAKATOTHRIX	--	-	--	-	--	-	280	1	--	-
...DICTYOSPHAERIACEAE										
....DICTYOSPHAERIUM	--	-	1300	5	--	-	--	-	--	-
...MICRACTINIACEAE										
....GOLENKINIA	--	-	--	-	*	0	420	1	--	-
....MICRACTINIUM	--	-	--	-	--	-	210	1	--	-
...OOCYSTACEAE										
....ANKISTRODESMUS	1000	1	1200	4	690	5	1500	4	--	-
....CHODATELLA	--	-	--	-	--	-	280	1	--	-
....KIRCHNERIELLA	--	-	1300	5	*	0	--	-	--	-
....OOCYSTIS	--	-	--	-	*	0	--	-	--	-
....SELENASTRUM	--	-	--	-	*	0	210	1	--	-
....TREUBARIA	--	-	420	2	--	-	*	0	--	-
...SCENEDESMACEAE										
....SCENEDESMUS	1000	1	420	2	--	-	280	1	*	0
....TETRASTRUM	--	-	560	2	180	1	--	-	--	-
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	--	-	700	3	370	3	420	1	--	-
CHRYSOPHYTA										
.CHRYSOPHYCEAE										
..OCHROMONADALES										
...DINOBRYACEAE										
....STENOCALYX	--	-	350	1	--	-	--	-	--	-
...OCHROMONADACEAE										
....OCHROMONAS	--	-	--	-	--	-	*	0	--	-
.XANTHOPHYCEAE										
..MISCHOCOCCALES										
...SCIADACEAE										
....OPHIOCYTIUM	--	-	--	-	--	-	490	1	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1981 TO JUNE 1982

DATE	OCT 28,81		DEC 30,81		MAR 10,82		MAY 6,82		JUN 22,82	
TIME	0915		1300		1530		1515		1620	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CRYPTOPHYTA (CRYPTOMONADS)										
.CRYPTOPHYCEAE										
..CRYPTOMONADALES										
...CRYPTOCHRYSIDACEAE										
....CHROOMONAS	--	-	--	-	--	-	*	0	--	-
...CRYPTOMONADACEAE										
....CRYPTOMONAS	--	-	700	3	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)										
.CYANOPHYCEAE										
..CHROOCOCCALES										
...CHROOCOCCACEAE										
....AGMENELLUM	30000#	21	1100	4	730	5	--	-	--	-
....ANACYSTIS	17000	12	16000#	59	6400#	44	30000#	75	1300	1
..NOSTOCALES										
...NOSTOCACEAE										
....ANABAENA	1700	1	--	-	--	-	--	-	--	-
....ANABAENOPSIS	3500	2	--	-	--	-	--	-	--	-
....APHANIZOMENON	2500	2	--	-	--	-	--	-	--	-
....CYLINDROSPERMUM	--	-	--	-	--	-	--	-	36000#	25
..OSCILLATORIALES										
...OSCILLATORIACEAE										
....LYNGBYA	--	-	--	-	--	-	--	-	110000#	73
....OSCILLATORIA	84000#	59	280	1	--	-	2700	7	--	-
EUGLENOPHYTA (EUGLENOIDS)										
.EUGLENOPHYCEAE										
..EUGLENALES										
...EUGLENACEAE										
....EUGLENA	--	-	--	-	--	-	280	1	--	-
....TRACHELOMONAS	*	0	--	-	*	0	*	0	--	-
PYRRHOPHYTA (FIRE ALGAE)										
.DINOPHYCEAE										
..DINOKONTAE										
...CERATIACEAE										
....CERATIUM	--	-	--	-	*	0	--	-	--	-
...GLENODINIACEAE										
....GLENODINIUM	--	-	--	-	180	1	--	-	--	-
...PERIDINIACEAE										
....PERIDINIUM	--	-	--	-	--	-	*	0	--	-

NOTE: # - DOMINANT ORGANISM, EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MA-TERIAL (MG/KG)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT												
30...	0930	134	6.9	19.5	5	2.0	4.1	24	--	.9	<2	K26
JAN												
06...	1230	130	7.2	8.9	5	5.0	10.3	27	--	1.8	K2	<1
FEB												
25...	1500	153	7.2	13.5	5	4.0	12.3	21	--	1.8	<2	K4
JUN												
24...	1455	149	6.4	31.0	0	1.0	8.8	18	--	1.6	K8	K16
AUG												
27...	1200	132	8.3	33.0	0	3.0	8.5	42	--	1.8	<2	K18
B27...	1201	191	6.8	19.0	10	30	.7	33	--	6.0	--	--
SEP												
10...	1600	--	--	--	--	--	--	--	88000	--	--	--

DATE	ALKA-LINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
OCT												
30...	--	3	.04	.01	--	.81	.80	--	.03	.02	.00	.00
JAN												
06...	--	11	.30	.34	--	.93	.92	--	.05	.04	.00	.01
FEB												
25...	69	8	.27	.30	--	.90	.39	--	.31	.07	.23	.01
JUN												
24...	71	1	--	.06	--	.88	.83	--	.04	--	.03	.02
AUG												
27...	63	8	.11	.13	--	.90	.76	--	.06	.04	.02	.02
B27...	90	117	.02	.03	--	--	3.1	--	.06	.02	--	.00
SEP												
10...	--	0	.05	.06	310	1.1	.66	3500	.05	.03	.05	.05

DATE	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)
OCT											
30...	--	--	--	--	--	--	--	--	--	--	--
AUG											
27...	58	15	4.9	2.4	4.3	<5.0	2.1	7	3	--	10
B27...	--	--	--	--	--	--	--	--	18	--	--
SEP											
10...	--	--	--	--	--	--	--	--	--	33	--

DATE	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	BERYL-LIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)
OCT											
30...	--	--	--	--	--	--	--	--	--	--	--
AUG											
27...	<1	--	0	<1	--	10	0	--	3	4	--
B27...	<1	--	--	<1	--	--	0	--	--	5	--
SEP											
10...	--	1	--	--	<1	--	--	6	--	--	20

< Actual value is known to be less than the value shown.
B Sample collected near the bottom of the lake.
K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)
OCT										
30...	--	--	--	--	--	--	--	--	--	--
AUG										
27...	<10	3	1	--	20	<1	--	.0	.0	--
B27...	2400	--	0	--	--	1900	--	--	.8	--
SEP										
10...	--	--	--	20	--	--	800	--	--	.05

DATE	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
OCT										
30...	--	--	--	--	--	--	--	--	--	--
AUG										
27...	0	1	--	0	0	--	2.0	10	<3	--
B27...	--	1	--	--	0	--	1.0	--	40	--
SEP										
10...	--	--	17	--	--	0	--	--	--	60

DATE	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT-TOM MA-TERIAL (UG/G AS CN)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)
OCT											
30...	6.6	.6	--	--	--	--	<.1	<1	<.1	<1	<.001
JAN											
06...	5.8	--	--	--	--	--	<.1	<1	<.1	<1	<.001
FEB											
25...	5.3	--	--	--	--	--	<.1	56	<.1	<1	<.001
JUN											
24...	7.1	.9	--	--	--	--	<.1	<1	<.1	<1	<.001
AUG											
27...	5.2	.2	.00	--	0	--	<.1	--	<.1	--	<.001
B27...	4.2	4.4	--	--	--	--	--	--	--	--	--
SEP											
10...	--	--	--	0	--	0	--	<1	--	<1	--

DATE	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT											
30...	<.1	<.1	24	<.001	97	<.001	150	<.001	4.7	<.01	<.1
JAN											
06...	<.1	<.1	19	<.001	99	<.001	120	<.001	11	<.01	--
FEB											
25...	<.1	<.1	19	<.001	73	<.001	45	<.001	45	<.01	<.1
JUN											
24...	<.1	<.1	69	<.001	80	<.001	120	<.001	14	<.01	<.1
AUG											
27...	--	<.1	--	<.001	--	<.001	--	<.001	--	<.01	--
B27...	--	--	--	--	--	--	--	--	--	--	--
SEP											
10...	<.1	--	41	--	110	--	140	--	61	--	<.1

< Actual value is known to be less than the value shown.
B Sample collected near the bottom of the lake.

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT										
30...	<.001	1.5	<.001	<.1	<.001	.9	<.01	<.1	<.001	<.1
JAN										
06...	.002	1.5	<.001	<.1	<.001	<.1	<.01	--	<.001	<.1
FEB										
25...	<.001	.2	<.001	<.1	<.001	<.1	<.01	<.1	<.001	<.1
JUN										
24...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.001	<.1
AUG										
27...	<.001	--	<.001	--	<.001	--	<.01	--	<.001	--
B27...	--	--	--	--	--	--	--	--	--	--
SEP										
10...	--	<.1	--	<.1	--	<.1	--	<.1	--	<.1

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)
OCT										
30...	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01	<.1
JAN										
06...	<.001	<.1	<.001	<.1	<.01	--	<.01	<.1	<.01	<.1
FEB										
25...	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01	--
JUN										
24...	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01	<.1
AUG										
27...	<.001	--	<.001	--	<.01	--	<.01	--	.01	--
B27...	--	--	--	--	--	--	--	--	--	--
SEP										
10...	--	<.1	--	<.1	--	<.1	--	<.1	--	<.1

DATE	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	PER-THANE IN BOTTOM MATERIL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT										
30...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
JAN										
06...	<.01	--	<.01	<.1	<.01	--	<.01	<.1	<.1	<1
FEB										
25...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
JUN										
24...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
AUG										
27...	<.01	--	<.01	--	<.01	--	<.01	--	<.1	--
B27...	--	--	--	--	--	--	--	--	--	--
SEP										
10...	--	<.1	--	<.1	--	<.1	--	<.1	--	<1

< Actual value is known to be less than the value shown.

B Sample collected near the bottom of the lake.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	ALGAL GROWTH POTEN-TIAL, BOTTLE TEST (MG/L)
OCT										
30...	<.01	<.1	.06	.00	.00	.00	60000	19.5	5.08	--
JAN										
06...	<.01	--	.06	.00	.00	.00	11000	15.4	1.99	5.4
FEB										
25...	<.01	<.1	.05	<.01	<.01	<.01	1800	8.30	.000	.5
JUN										
24...	<.01	<.1	.05	<.01	<.01	<.01	740000	9.14	.000	2.8
AUG										
27...	<.01	--	.02	<.01	<.01	<.01	160000	15.3	1.02	--
B27...	--	--	--	--	--	--	--	--	--	--
SEP										
10...	--	<.1	--	--	--	--	--	--	--	--

< Actual value is known to be less than the value shown.
B Sample collected near the bottom of the lake.

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO AUGUST 1981

DATE	OCT 30,80	JAN 6,81	FEB 25,81	APR 23,81	JUN 24,81	AUG 27,81
TIME	0930	1230	1500	1700	1455	1200
TOTAL CELLS/ML	60000	11000	1800	7000	740000	160000
DIVERSITY: DIVISION	0.3	1.6	1.9	1.2	0.0	0.4
.CLASS	0.3	1.6	1.9	1.2	0.0	0.4
..ORDER	1.4	1.7	2.0	2.0	1.2	1.4
...FAMILY	1.4	2.0	2.2	2.2	1.2	1.4
....GENUS	2.3	2.6	2.6	2.9	1.2	1.5

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)												
.BACILLARIOPHYCEAE												
..BACILLARIALES												
...NITZSCHIACEAE												
....NITZSCHIA	--	-	*	0	--	-	140	2	--	-	--	-
..EUPODISCALES												
...COSCINODISCACEAE												
....CYCLOTELLA	*	0	340	3	730#	41	130	2	*	0	--	-
....MELOSIRA	710	1	3400#	31	--	-	--	-	--	-	--	-
....STEPHANODISCUS	--	-	--	-	--	-	160	2	--	-	--	-
..FRAGILARIALES												
...FRAGILARIACEAE												
....SYNEDRA	--	-	*	0	14	1	*	0	*	0	--	-
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...CHLOROCOCCACEAE												
....TETRAEDRON	*	0	*	0	29	2	--	-	*	0	*	0
...DICTYOSPHAERIACEAE												
....DICTYOSPHAERIUM	--	-	200	2	--	-	--	-	--	-	--	-
...MICRACTINIACEAE												
....GOLENKINIA	--	-	--	-	--	-	*	0	--	-	--	-
....MICRACTINIUM	--	-	270	2	--	-	400	6	--	-	--	-
...OOCYSTACEAE												
....ANKISTRODESMUS	*	0	*	0	300#	17	86	1	--	-	7600	5
....CHODATELLA	--	-	--	-	14	1	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	--	-	--	-	43	1	--	-	2000	1
....OOCYSTIS	--	-	200	2	110	7	57	1	--	-	--	-
....SELENASTRUM	*	0	120	1	--	-	160	2	--	-	--	-
....TREUBARIA	--	-	*	0	29	2	43	1	--	-	--	-
...SCENEDESMACEAE												
....COELASTRUM	--	-	--	-	--	-	86	1	--	-	--	-
....CRUCIGENIA	--	-	1600	14	--	-	--	-	--	-	--	-
....SCENEDESMUS	*	0	100	1	--	-	57	1	*	0	*	0
....TETRASTRUM	--	-	67	1	57	3	--	-	--	-	--	-
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	*	0	*	0	--	-	100	1	--	-	--	-
..ZYGNEMATALES												
...DESMIDIACEAE												
....COSMARIUM	--	-	--	-	--	-	*	0	--	-	--	-
....EUASTRUM	--	-	*	0	--	-	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)												
.CRYPTOPHYCEAE												
..CRYPTOMONADALES												
...CRYPTOCHRYSIDACEAE												
....CHROOMONAS	--	-	*	0	--	-	--	-	--	-	--	-
...CRYPTOMONADACEAE												
....CRYPTOMONAS	*	0	*	0	43	2	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

320004091120700 LAKE BRUIN IN CENTER NEAR NEWELLTON, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO AUGUST 1981

DATE TIME	OCT 30,80 0930		JAN 6,81 1230		FEB 25,81 1500		APR 23,81 1700		JUN 24,81 1455		AUG 27,81 1200	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....AGMENELLUM	20000#	33	800	7	--	-	690	10	--	-	--	-
....ANACYSTIS	20000#	33	3700#	33	320#	18	3500#	50	59000	8	9000	6
..NOSTOCALES												
...NOSTOCACEAE												
....ANABAENA	2600	4	--	-	--	-	450	6	--	-	--	-
....ANABAENOPSIS	1300	2	--	-	--	-	--	-	170000#	24	--	-
....APHANIZOMENON	--	-	--	-	--	-	370	5	--	-	--	-
....CYLINDROSPERMUM	--	-	--	-	--	-	--	-	--	-	110000#	65
..OSCILLATORIALES												
...OSCILLATORIACEAE												
....LYNGBYA	1300	2	--	-	--	-	--	-	500000#	68	37000#	23
....OSCILLATORIA	13000#	21	--	-	--	-	240	3	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)												
.EUGLENOPHYCEAE												
..EUGLENALES												
...EUGLENACEAE												
....TRACHELOMONAS	--	-	67	1	86	5	43	1	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)												
.DINOPHYCEAE												
..DINOKONTAE												
...GLENODINIACEAE												
....GLENODINIUM	--	-	--	-	29	2	--	-	--	-	--	-
...PERIDINIACEAE												
....PERIDINIUM	--	-	--	-	--	-	170	2	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315818091145200 LAKE BRUIN AT SOUTHWEST END, NEAR ST. JOSEPH, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 28...	1035	155	7.4	19.5	5	3.0	7.7	40	2.4	--	42
DEC 30...	1330	150	7.8	11.0	0	5.0	11.2	11	2.4	<1	K2
MAR 10...	1330	148	7.3	11.5	5	5.0	10.3	97	1.8	K6	57
MAY 06...	1530	141	7.4	21.0	5	--	8.6	48	2.0	<1	63
JUN 22...	1556	148	8.1	29.0	5	4.0	9.4	33	1.9	K14	K56

DATE	ALKALINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT 28...	67	10	--	.07	.46	.44	--	.05	<.01	.02
DEC 30...	81	12	.28	.29	.47	.47	.04	<.01	<.01	<.01
MAR 10...	--	16	.42	.44	.52	.44	.05	.02	.03	.02
MAY 06...	67	8	--	.14	.50	.60	.03	<.01	<.01	<.01
JUN 22...	67	8	--	.16	.60	.50	.04	.01	<.01	<.01

DATE	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)
OCT 28...	3.5	1.1	<.1	<1	<.1	<1	<.001	<.1	<.1
Q28...	--	--	--	<1	--	<1	--	<.1	--
R28...	--	--	--	<1	--	<1	--	<.1	--
DEC 30...	3.9	--	<.1	1	<.1	<1	<.001	<.1	<.1
MAR 10...	3.9	1.5	<.1	<1	<.1	<1	<.001	<.1	<.1
MAY 06...	4.3	1.4	<.1	<1	<.1	<1	<.001	<.1	<.1
JUN 22...	4.5	1.2	<.1	<1	<.1	<1	<.001	<.1	<.1

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 28...	25	<.001	32	<.001	110	<.001	2.7	.01	<.1
Q28...	12	--	15	--	20	--	1.2	--	<.1
R28...	4.0	--	14	--	15	--	11	--	<.1
DEC 30...	15	<.001	22	<.001	74	<.001	15	<.01	<.1
MAR 10...	19	<.001	22	<.001	84	.003	6.4	<.01	<.1
MAY 06...	16	<.001	37	<.001	88	<.001	4.7	<.01	<.1
JUN 22...	6.0	<.001	17	<.001	37	<.001	4.6	<.01	<.1

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).
Q Sample collected near the east shore of this site.
R Sample collected near the west shore of this site.

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315818091145200 LAKE BRUIN AT SOUTHWEST END, NEAR ST. JOSEPH, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT								
28...	.001	1.5	<.001	<.1	<.001	<.1	<.01	<.1
Q28...	--	<.1	--	<.1	--	<.1	--	<.1
R28...	--	<.1	--	<.1	--	<.1	--	<.1
DEC								
30...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1
MAR								
10...	<.001	1.0	<.001	<.1	<.001	<.1	<.01	<.1
MAY								
06...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1
JUN								
22...	.020	12	<.001	<.1	<.001	<.1	<.01	<.1

DATE	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)
OCT											
28...	.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01
Q28...	--	<.1	--	<.1	--	<.1	--	<.1	--	<.1	--
R28...	--	<.1	--	<.1	--	<.1	--	<.1	--	<.1	--
DEC											
30...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01
MAR											
10...	<.001	<.1	<.001	<.1	<.001	1.2	<.01	<.1	<.01	<.1	<.01
MAY											
06...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01
JUN											
22...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01

DATE	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	PER-THANE IN BOTTOM MATERIL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT											
28...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
Q28...	<.1	--	<.1	--	<.1	--	<.1	--	<.1	--	<1
R28...	<.1	--	<.1	--	<.1	--	<.1	--	<.1	--	<1
DEC											
30...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
MAR											
10...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1	<1	<10
MAY											
06...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1	<1	<10
JUN											
22...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1	<1	<10

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	ALGAL GROWTH POTEN-TIAL, BOTTLE TEST (MG/L)
OCT										
28...	<.01	<.1	.03	<.01	<.01	<.01	330000	13.2	1.11	1.1
Q28...	--	<.1	--	--	--	--	--	--	--	--
R28...	--	<.1	--	--	--	--	--	--	--	--
DEC										
30...	<.01	<.1	.02	<.01	<.01	<.01	33000	13.6	<.100	.7
MAR										
10...	<.01	<.1	.01	<.01	<.01	<.01	13000	6.26	<.100	.3
MAY										
06...	<.01	<.1	.04	<.01	<.01	<.01	19000	13.0	<.100	<1.0
JUN										
22...	<.01	<.1	.03	<.01	<.01	<.01	370000	9.60	<.100	<1.0

< Actual value is known to be less than the value shown.
Q Sample collected near the east shore of this site.
R Sample collected near the west shore of this site.

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315818091145200 LAKE BRUIN AT SOUTHWEST END, NEAR ST. JOSEPH, LA

PHYTOPLANKTON ANALYSES, OCTOBER 1981 TO JUNE 1982

DATE	OCT 28,81	DEC 30,81	MAR 10,82	MAY 6,82	JUN 22,82
TIME	1035	1330	1330	1530	1556
TOTAL CELLS/ML	330000	33000	13000	19000	370000
DIVERSITY: DIVISION	0.3	1.7	1.3	1.2	0.1
.CLASS	0.3	1.7	1.3	1.2	0.1
..ORDER	0.9	2.1	1.7	1.7	0.8
...FAMILY	1.0	2.4	1.8	1.9	0.8
....GENUS	1.3	3.2	2.2	2.6	0.8

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)										
.BACILLARIOPHYCEAE										
..BACILLARIALES										
...NITZSCHIACEAE										
....NITZSCHIA	*	0	290	1	--	-	750	4	--	-
..EUPODISCALES										
...COSCINODISCACEAE										
....CYCLOTELLA	*	0	2100	6	1300	10	1300	7	--	-
....MELOSIRA	--	-	5100#	16	5400#	41	--	-	--	-
..FRAGILARIALES										
...FRAGILARIACEAE										
....SYNEDRA	--	-	--	-	--	-	*	0	*	0
CHLOROPHYTA (GREEN ALGAE)										
.CHLOROPHYCEAE										
..CHLOROCOCCALES										
...CHLOROCOCCACEAE										
....TETRAEDRON	*	0	*	0	--	-	--	-	--	-
...DICTYOSPHAERIACEAE										
....DICTYOSPHAERIUM	--	-	780	2	270	2	930	5	--	-
...MICRACTINIACEAE										
....MICRACTINIUM	*	0	780	2	--	-	--	-	--	-
...OOCYSTACEAE										
....ANKISTRODESMUS	*	0	1800	6	480	4	930	5	--	-
....CHODATELLA	--	-	390	1	--	-	370	2	--	-
....FRANCEIA	--	-	--	-	--	-	*	0	--	-
....KIRCHNERIELLA	--	-	680	2	*	0	230	1	--	-
....SELENASTRUM	2700	1	390	1	*	0	650	3	--	-
....THEURARIA	--	-	190	1	--	-	--	-	--	-
...SCENEDESMACEAE										
....ACTINASTRUM	*	0	--	-	--	-	--	-	--	-
....COELASTRUM	2700	1	--	-	--	-	--	-	--	-
....SCENEDESMUS	*	0	780	2	180	1	*	0	*	0
....TETRASTRUM	--	-	390	1	--	-	--	-	--	-
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	*	0	490	1	*	0	230	1	--	-
CHRYSOPHYTA										
.CHRYSOPHYCEAE										
..OCHROMONADALES										
...DINOBRYACEAE										
....STENOCALYX	--	-	*	0	--	-	--	-	--	-
...OCHROMONADACEAE										
....OCHROMONAS	*	0	580	2	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)										
.CRYPTOPHYCEAE										
..CRYPTOMONADALES										
...CRYPTOMONADACEAE										
....CRYPTOMONAS	*	0	780	2	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)										
.CYANOPHYCEAE										
..CHROOCOCCALES										
...CHROOCOCCACEAE										
....AGMENELLUM	31000	9	3900	12	--	-	2200	12	--	-
....ANACYSTIS	20000	6	12000#	36	3800#	29	9600#	51	3600	1
..NOSTOCALES										
...NOSTOCACEAE										
....ANABAENA	*	0	--	-	--	-	--	-	--	-
....CYLINDROSPERMUM	--	-	--	-	--	-	--	-	58000#	16
..OSCILLATORIALES										
...OSCILLATORIACEAE										
....LYNGBYA	5800	2	--	-	--	-	--	-	310000#	83
....OSCILLATORIA	260000#	79	1400	4	1500	12	1300	7	--	-
EUGLENOPHYTA (EUGLENOIDS)										
.EUGLENOPHYCEAE										
..EUGLENALES										
...EUGLENACEAE										
....EUGLENA	*	0	--	-	--	-	--	-	--	-
....TRACHELOMONAS	*	0	*	0	--	-	*	0	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315818091145200 LAKE BRUIN AT SOUTHWEST END, NEAR ST. JOSEPH, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT												
30...	0900	132	7.3	18.5	0	3.0	7.1	20	--	2.9	<2	K10
JAN												
06...	1700	131	7.5	8.6	5	6.0	11.8	17	--	2.8	K2	<1
FEB												
25...	1400	154	7.6	13.0	5	5.0	12.0	36	--	2.1	<2	<2
APR												
23...	1700	155	7.3	23.5	5	5.0	9.1	8	--	2.2	<2	--
JUN												
24...	1445	148	8.5	31.0	0	2.0	8.8	18	--	2.1	K2	K14
AUG												
27...	1000	134	7.8	32.5	0	3.0	9.7	45	--	3.0	K28	84
B27...	1001	149	7.1	31.0	0	7.0	3.0	28	--	--	--	--
SEP												
10...	1500	--	--	--	--	--	--	--	71000	--	--	--

DATE	ALKALINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT												
30...	--	1	.00	.00	--	1.30	.78	--	.04	.04	--	.02
JAN												
06...	68	12	.39	.31	--	.77	.69	--	.05	.03	.00	.00
FEB												
25...	69	11	.52	.47	--	.87	.73	--	--	.08	.01	.01
APR												
23...	69	0	.05	.06	--	1.10	.66	--	.05	--	.05	.05
JUN												
24...	70	14	--	.24	--	.93	.98	--	.04	--	.02	.02
AUG												
27...	61	14	.11	.12	--	.86	.66	--	.07	.03	.02	.02
B27...	67	28	--	.04	--	1.20	.82	--	.05	.02	.02	.00
SEP												
10...	--	--	--	--	170	--	--	2800	--	--	--	--

DATE	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)
AUG											
27...	58	15	4.9	2.4	4.3	<5.0	2.0	7	4	--	0
B27...	--	--	--	--	--	--	--	--	9	--	--
SEP											
10...	--	--	--	--	--	--	--	--	--	24	--

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)
AUG											
27...	<1	--	0	<1	--	10	0	--	6	3	--
B27...	<1	--	--	<1	--	--	0	--	--	32	--
SEP											
10...	--	1	--	--	1	--	--	5	--	--	23

< Actual value is known to be less than the value shown.
B Sample collected near the bottom of the lake.
K Results based on colony count outside the acceptable range (non-ideal count).

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315818091145200 LAKE BRUIN AT SOUTHWEST END, NEAR ST. JOSEPH, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)
AUG 27...	<10	3	0	--	30	<1	--	.0	.0	--
B27...	31	--	4	--	--	100	--	--	.0	--
SEP 10...	--	--	--	30	--	--	550	--	--	.08

DATE	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
AUG 27...	1	2	--	0	0	--	2.0	10	3	--
B27...	--	0	--	--	0	--	2.0	--	82	--
SEP 10...	--	--	17	--	--	0	--	--	--	60

DATE	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)
OCT 30...	5.2	.6	--	--	--	--	<.1	<1	<.1	<1	<.001
JAN 06...	4.9	1.1	--	--	--	--	<.1	<1	<.1	<1	<.001
FEB 25...	7.6	1.4	--	--	--	--	<.1	<1	<.1	<1	<.001
APR 23...	4.9	.8	--	--	--	--	<.1	<1	<.1	<1	<.001
JUN 24...	9.1	1.0	--	--	--	--	<.1	<1	<.1	<1	<.001
AUG 27...	3.6	.3	.00	--	0	--	<.1	--	<.1	--	<.001
B27...	4.5	.9	--	--	--	--	--	--	--	--	--
SEP 10...	--	--	--	0	--	0	--	<1	--	<1	--

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 30...	<.1	<.1	18	<.001	43	<.001	62	<.001	5.7	.01	<.1
JAN 06...	<.1	<.1	11	<.001	25	<.001	43	<.001	2.9	.02	--
FEB 25...	<.1	<.1	9.0	<.001	68	<.001	64	<.001	27	<.01	<.1
APR 23...	<.1	<.1	1.0	<.001	16	<.001	85	<.001	7.1	.01	<.1
JUN 24...	<.1	<.1	20	<.001	21	<.001	43	<.001	3.0	<.01	<.1
AUG 27...	--	<.1	--	<.001	--	<.001	--	<.001	--	.01	--
B27...	--	--	--	--	--	--	--	--	--	--	--
SEP 10...	<.1	--	24	--	31	--	87	--	10	--	<.1

< Actual value is known to be less than the value shown.

B Sample collected near the bottom of the lake.

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315818091145200 LAKE BRUIN AT SOUTHWEST END, NEAR ST. JOSEPH, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT										
30...	<.001	.4	<.001	<.1	<.001	<.1	<.01	<.1	<.001	<.1
JAN										
06...	.004	.4	<.001	<.1	<.001	<.1	<.01	--	<.001	<.1
FEB										
25...	<.001	.1	<.001	<.1	<.001	<.1	<.01	<.1	<.001	<.1
APR										
23...	<.001	2.5	<.001	<.1	<.001	<.1	<.01	<.1	<.001	<.1
JUN										
24...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.001	<.1
AUG										
27...	<.001	--	<.001	--	<.001	--	<.01	--	<.001	--
B27...	--	--	--	--	--	--	--	--	--	--
SEP										
10...	--	<.1	--	<.1	--	<.1	--	<.1	--	<.1

DATE	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)
OCT										
30...	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01	<.1
JAN										
06...	<.001	<.1	<.001	<.1	<.01	--	<.01	<.1	<.01	--
FEB										
25...	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01	<.1
APR										
23...	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	.01	<.1
JUN										
24...	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01	<.1
AUG										
27...	<.001	--	<.001	--	<.01	--	<.01	--	<.01	--
B27...	--	--	--	--	--	--	--	--	--	--
SEP										
10...	--	<.1	--	<.1	--	<.1	--	<.1	--	<.1

DATE	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	PER-THANE IN BOTTOM MATERIL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT										
30...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
JAN										
06...	<.01	--	<.01	<.1	<.01	--	<.01	<.1	<.1	<1
FEB										
25...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
APR										
23...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
JUN										
24...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
AUG										
27...	<.01	--	<.01	--	<.01	--	<.01	--		--
B27...	--	--	--	--	--	--	--	--	--	--
SEP										
10...	--	<.1	--	<.1	--	<.1	--	<.1	--	<1

< Actual value is known to be less than the value shown.
B Sample collected near the bottom of the lake.

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315818091145200 LAKE BRUIN AT SOUTHWEST END, NEAR ST. JOSEPH, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	ALGAL GROWTH POTEN-TIAL, BOTTLE TEST (MG/L)
OCT										
30...	<.01	<.1	.07	.00	.00	.00	61000	25.3	6.99	--
JAN										
06...	<.01	--	.06	.00	.00	.00	16000	20.4	3.16	5.6
FEB										
25...	<.01	<.1	.05	<.01	<.01	<.01	5200	2.51	.000	4.1
APR										
23...	<.01	<.1	.05	<.01	<.01	<.01	11000	18.0	.000	.3
JUN										
24...	<.01	<.1	.04	<.01	<.01	<.01	710000	9.97	.000	5.0
AUG										
27...	<.01	--	--	--	--	--	210000	19.5	2.04	.6
B27...	--	--	--	--	--	--	--	--	--	--
SEP										
10...	--	<.1	--	--	--	--	--	--	--	--

< Actual value is known to be less than the value shown.

B Sample collected near the bottom of the lake.

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315818091145200 LAKE BRUIN AT SOUTHWEST END, NEAR ST. JOSEPH, LA

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO AUGUST 1981

DATE	OCT 30,80	JAN 6,81	FEB 25,81	APR 23,81	JUN 24,81	AUG 27,81
TIME	0900	1700	1400	1700	1445	1000
TOTAL CELLS/ML	61000	16000	5200	11000	710000	210000
DIVERSITY: DIVISION	0.3	1.4	1.6	1.0	0.0	0.3
.CLASS	0.3	1.4	1.6	1.0	0.0	0.3
..ORDER	1.4	1.8	1.7	1.1	1.2	1.6
...FAMILY	1.5	1.9	2.2	1.2	1.2	1.7
....GENUS	2.0	2.2	2.6	1.7	1.2	1.9

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)												
.BACILLARIOPHYCEAE												
..BACILLARIALES												
...NITZSCHIACEAE												
....NITZSCHIA	*	0	*	0	--	-	64	1	--	-	--	-
..EUPODISCALES												
...COSCINODISCACEAE												
....CYCLOTELLA	*	0	230	1	2400#	46	120	1	*	0	*	0
....MELOSIRA	550	1	8300#	52	--	-	270	3	--	-	--	-
....STEPHANODISCUS	--	-	--	-	--	-	340	3	--	-	--	-
..FRAGILARIALES												
...FRAGILARIACEAE												
....SYNEDRA	--	-	*	0	--	-	--	-	*	0	--	-
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...CHLOROCOCCACEAE												
....TETRAEDRON	350	1	--	-	--	-	*	0	*	0	*	0
...DICTYOSPHAERIACEAE												
....DICTYOSPHAERIUM	--	-	93	1	--	-	*	0	*	0	--	-
...MICRACTINIACEAE												
....GOLENKINIA	--	-	--	-	--	-	*	0	--	-	--	-
....MICRACTINIUM	*	0	--	-	160	3	890	8	--	-	--	-
...OOCYSTACEAE												
....ANKISTRODESMUS	*	0	300	2	240	5	140	1	--	-	9700	5
....CHODATELLA	--	-	--	-	82	2	*	0	--	-	--	-
....KIRCHNERIELLA	--	-	--	-	--	-	130	1	--	-	--	-
....OOCYSTIS	--	-	120	1	160	3	--	-	--	-	--	-
....SELENASTRUM	*	0	260	2	330	6	*	0	--	-	--	-
....TREUBARIA	--	-	*	0	--	-	--	-	--	-	--	-
...SCENEDESMACEAE												
....CRUCIGENIA	--	-	280	2	650	13	*	0	--	-	--	-
....SCENEDESMUS	900	1	160	1	--	-	120	1	--	-	1400	1
....TETRASTRUM	--	-	--	-	160	3	--	-	*	0	--	-
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	*	0	93	1	120	2	*	0	*	0	--	-
....CHLOROGONIUM	*	0	--	-	--	-	--	-	--	-	--	-
..ZYGNEMATALES												
...DESMIDIACEAE												
....EUASTRUM	--	-	*	0	--	-	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)												
.CRYPTOPHYCEAE												
..CRYPTOMONADALES												
...CRYPTOCHRYSIDACEAE												
....CHROOMONAS	*	0	--	-	41	1	--	-	--	-	--	-
...CRYPTOMONADACEAE												
....CRYPTOMONAS	--	-	*	0	--	-	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....AGMENELLUM	5000	8	370	2	--	-	620	6	--	-	--	-
....ANACYSTIS	28000#	46	4300#	27	730	14	7700#	72	60000	8	21000	10
..NOSTOCALES												
...NOSTOCACEAE												
....ANABAENOPSIS	2200	4	--	-	--	-	--	-	150000#	21	--	-
....CYLINDROSPERMUM	--	-	--	-	--	-	--	-	--	-	110000#	52
..OSCILLATORIALES												
...OSCILLATORIACEAE												
....LYNGBYA	2000	3	--	-	--	-	--	-	500000#	70	49000#	23
....OSCILLATORIA	21000#	35	1200	8	--	-	--	-	--	-	18000	9
EUGLENOPHYTA (EUGLENOIDS)												
.EUGLENOPHYCEAE												
..EUGLENALES												
...EUGLENACEAE												
....EUGLENA	*	0	--	-	--	-	--	-	--	-	--	-
....TRACHELOMONAS	*	0	160	1	82	2	*	0	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)												
.DINOPHYCEAE												
..DINOKONTAE												
...GLENODINIACEAE												
....GLENODINIUM	*	0	--	-	--	-	*	0	--	-	--	-

NOTE: # - DOMINANT ORGANISM, EQUAL TO OR GREATER THAN 15%

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315748091141100 LAKE BRUIN SOUTHWEST EXTENSION (BRUSHY LAKE), NEAR ST. JOSEPH, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
OCT									
30...	1300	83	7.9	15.5	20	80	11.6	45	5.2

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT									
30...	K20	960	48	.13	.06	1.4	.06	.03	.03

DATE	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT												
30...	7.6	3.6	<.1	<1	<.1	<1	<.001	<.1	<.1	37	.02	150

DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT												
30...	<.001	230	.02	3.7	<.01	<.1	.01	.7	<.001	<.1	<.001	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)
OCT											
30...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01

DATE	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)
OCT											
30...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
OCT											
30...	<.1	<1	<.01	<.1	.14	.07	.00	.00	72000	56.9	12.3

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

315748091141100 LAKE BRUIN SOUTHWEST EXTENSION (BRUSHY LAKE), NEAR ST. JOSEPH, LA

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO OCTOBER 1980

DATE	OCT 30,80
TIME	1300
TOTAL CELLS/ML	72000
DIVERSITY: DIVISION	1.1
.CLASS	1.1
..ORDER	2.0
...FAMILY	2.2
....GENUS	2.7

ORGANISM	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)		
.BACILLARIOPHYCEAE		
..BACILLARIALES		
...NITZSCHIACEAE		
....NITZSCHIA	2900	4
..EUPODISCALES		
...COSCINODISCACEAE		
....CYCLOTELLA	980	1
CHLOROPHYTA (GREEN ALGAE)		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...CHLOROCOCCACEAE		
....TETRAEDRON	*	0
...DICTYOSPHAERIACEAE		
....DICTYOSPHAERIUM	490	1
...OOCYSTACEAE		
....ANKISTRODESMUS	5200	7
....KIRCHNERIELLA	7400	10
....OOCYSTIS	*	0
...SCENEDESMACEAE		
....SCENEDESMUS	4400	6
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	740	1
CYANOPHYTA (BLUE-GREEN ALGAE)		
.CYANOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
....AGMENELLUM	12000#	16
....ANACYSTIS	6400	9
..NOSTOCALES		
...NOSTOCACEAE		
....ANABAENA	30000#	42
..OSCILLATORIALES		
...OSCILLATORIACEAE		
....OSCILLATORIA	740	1
EUGLENOPHYTA (EUGLENOIDS)		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 28...	1205	150	7.7	20.0	5	3.0	9.1	150	1.3	K1	35
DEC 30...	1230	148	7.6	11.0	5	5.0	10.6	22	1.6	<1	K1
MAR 10...	1415	149	7.4	11.5	15	3.0	10.3	47	2.5	K3	23
MAY 06...	1500	140	8.3	22.0	5	1.0	11.1	33	2.7	<1	<1
JUN 22...	1645	150	8.3	29.0	5	2.0	9.8	27	1.9	K40	K38

DATE	ALKALINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT 28...	66	10	.04	.06	--	.62	.03	.03	<.01	<.01
DEC 30...	74	4	.29	.34	.97	.46	.04	<.01	<.01	<.01
MAR 10...	--	15	.35	.39	.57	.62	.05	.02	.02	.01
MAY 06...	67	8	<.10	<.10	.60	.40	.04	.02	<.01	<.01
JUN 22...	68	5	<.10	<.10	--	.90	.04	.01	<.01	.01

DATE	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)
OCT 28...	4.0	1.4	<.1	<1	<.1	<1	<.001	<.1	<.1
S28...	--	--	--	2	--	<1	--	<.1	--
T28...	--	--	--	<1	--	<1	--	<.1	--
DEC 30...	30	--	<.1	<1	<.1	<1	<.001	<.1	<.1
MAR 10...	3.8	1.2	<.1	<1	<.1	<1	<.001	<.1	<.1
MAY 06...	5.3	1.6	<.1	<1	<.1	<1	<.001	<.1	<.1
JUN 22...	4.2	1.1	<.1	<1	<.1	<1	<.001	<.1	<.1

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 28...	15	.001	20	<.001	28	<.001	1.5	<.01	<.1
S28...	8.0	--	9.9	--	13	--	35	--	<.1
T28...	8.0	--	8.4	--	22	--	<.1	--	<.1
DEC 30...	22	<.001	29	<.001	120	<.001	7.7	<.01	<.1
MAR 10...	18	<.001	28	<.001	69	.005	9.1	<.01	<.1
MAY 06...	25	<.001	31	<.001	29	<.001	4.1	<.01	<.1
JUN 22...	14	<.001	25	<.001	61	<.001	5.2	<.01	<.1

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).
S Sample collected near the west shore of this site.
T Sample collected near the east shore of this site.

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT								
28...	.003	<.1	<.001	<.1	<.001	<.1	<.01	<.1
S28...	--	<.1	--	<.1	--	<.1	--	<.1
T28...	--	<.1	--	<.1	--	<.1	--	<.1
DEC								
30...	<.001	1.0	<.001	.7	<.001	<.1	<.01	<.1
MAR								
10...	.003	1.4	<.001	<.1	<.001	<.1	<.01	<.1
MAY								
06...	.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1
JUN								
22...	.002	<.1	<.001	<.1	<.001	<.1	<.01	<.1

DATE	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)
OCT											
28...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01
S28...	--	<.1	--	<.1	--	<.1	--	<.1	--	<.1	--
T28...	--	<.1	--	<.1	--	<.1	--	<.1	--	<.1	--
DEC											
30...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01
MAR											
10...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01
MAY											
06...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01
JUN											
22...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01

DATE	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
28...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
S28...	<.1	--	<.1	--	<.1	--	<.1	--	<.1	--	<1
T28...	<.1	--	<.1	--	<.1	--	<.1	--	<.1	--	<1
DEC											
30...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
MAR											
10...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1	<1	<10
MAY											
06...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1	<1	<10
JUN											
22...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1	<1	<10

DATE	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)	ALGAL GROWTH POTENTIAL, BOTTLE TEST (MG/L)
OCT										
28...	<.01	<.1	.03	<.01	<.01	<.01	170000	14.9	1.79	--
S28...	--	<.1	--	--	--	--	--	--	--	--
T28...	--	<.1	--	--	--	--	--	--	--	--
DEC										
30...	<.01	<.1	.03	<.01	<.01	<.01	31000	7.52	1.98	--
MAR										
10...	<.01	<.1	.01	<.01	<.01	<.01	9200	6.70	<.100	.3
MAY										
06...	<.01	<.1	.02	<.01	<.01	<.01	19000	16.0	2.30	<1.0
JUN										
22...	<.01	<.1	.02	<.01	<.01	<.01	240000	7.60	<.100	<1.0

< Actual value is known to be less than the value shown.
S Sample collected near the west shore of this site.
T Sample collected near the east shore of this site.

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA

PHYTOPLANKTON ANALYSES, OCTOBER 1981 TO JUNE 1982

DATE	OCT 28,81	DEC 30,81	MAR 10,82	MAY 6,82	JUN 22,82
TIME	1205	1230	1415	1500	1645
TOTAL CELLS/ML	170000	31000	9200	19000	240000
DIVERSITY: DIVISION	0.5	1.6	1.0	1.6	0.3
.CLASS	0.5	1.6	1.0	1.6	0.3
..ORDER	1.5	2.0	1.2	2.1	1.0
...FAMILY	1.6	2.3	1.3	2.8	1.1
....GENUS	1.9	2.7	1.8	3.3	1.1

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)										
.BACILLARIOPHYCEAE										
..BACILLARIALES										
...NITZSCHIACEAE										
....NITZSCHIA	--	-	*	0	210	2	--	-	--	-
..EUPODISCALES										
...COSCINODISCACEAE										
....CYCLOTELLA	*	0	1100	3	5700#	61	3100#	16	--	-
....MELOSIRA	--	-	7200#	23	1200	13	--	-	--	-
..FRAGILARIALES										
...FRAGILARIACEAE										
....FRAGILARIA	*	0	--	-	--	-	--	-	--	-
....SYNEDRA	950	1	--	-	--	-	120	1	*	0
..NAVICULALES										
...NAVICULACEAE										
....NAVICULA	--	-	--	-	70	1	--	-	--	-
CHLOROPHYTA (GREEN ALGAE)										
.CHLOROPHYCEAE										
..CHLOROCOCCALES										
...CHLOROCOCCACEAE										
....SCHROEDERIA	*	0	--	-	--	-	--	-	--	-
....TETRAEDRON	--	-	--	-	--	-	--	-	*	0
...DICTYOSPHAERIACEAE										
....DICTYOSPHAERIUM	*	0	890	3	--	-	1800	9	--	-
...MICRACTINIACEAE										
....MICRACTINIUM	--	-	240	1	70	1	600	3	--	-
...OOCYSTACEAE										
....ANKISTRODESMUS	1600	1	2300	7	1100	12	4700#	25	--	-
....CHODATELLA	*	0	*	0	--	-	600	3	--	-
....FRANCEIA	--	-	--	-	--	-	600	3	--	-
....KIRCHNERIELLA	--	-	1400	4	--	-	360	2	--	-
....SELENASTRUM	3500	2	--	-	--	-	--	-	--	-
....TREUBARIA	--	-	--	-	--	-	--	-	1900	1
...SCENEDESMACEAE										
....COELASTRUM	1900	1	--	-	--	-	--	-	--	-
....CRUCIGENIA	--	-	--	-	--	-	480	3	--	-
....SCENEDESMUS	*	0	470	2	--	-	--	-	1400	1
....TETRASTRUM	--	-	1900	6	--	-	480	3	--	-
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	2200	1	410	1	70	1	960	5	*	0
..ZYGNEMATALES										
...DESMIDIACEAE										
....COSMARIUM	*	0	--	-	--	-	--	-	--	-
....STAURASTRUM	--	-	--	-	--	-	--	-	*	0
CRYPTOPHYTA (CRYPTOMONADS)										
.CRYPTOPHYCEAE										
..CRYPTOMONADALES										
...CRYPTOMONADACEAE										
....CRYPTOMONAS	*	0	*	0	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA

PHYTOPLANKTON ANALYSES, OCTOBER 1981 TO JUNE 1982

DATE	OCT 28,81		DEC 30,81		MAR 10,82		MAY 6,82		JUN 22,82	
TIME	1205		1230		1415		1500		1645	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CYANOPHYTA (BLUE-GREEN ALGAE)										
.CYANOPHYCEAE										
..CHROOCOCCALES										
...CHROOCOCCACEAE										
....AGMENELLUM	31000#	18	--	-	--	-	--	-	--	-
....ANACYSTIS	21000	12	13000#	43	840	9	3600#	19	1900	1
..NOSTOCALES										
...NOSTOCACEAE										
....ANABAENA	--	-	1200	4	--	-	--	-	--	-
....CYLINDROSPERMUM	4800	3	--	-	--	-	--	-	47000#	19
..OSCILLATORIALES										
...OSCILLATORIACEAE										
....LYNGBYA	--	-	--	-	--	-	--	-	190000#	77
....OSCILLATORIA	100000#	60	530	2	--	-	960	5	--	-
EUGLENOPHYTA (EUGLENOIDS)										
.EUGLENOPHYCEAE										
..EUGLENALES										
...EUGLENACEAE										
....EUGLENA	--	-	--	-	--	-	360	2	*	0
....TRACHELOMONAS	--	-	180	1	--	-	120	1	1700	1
PYRRHOPHYTA (FIRE ALGAE)										
.DINOPHYCEAE										
..DINOKONTAE										
...CERATIACEAE										
....CERATIUM	--	-	--	-	--	-	240	1	--	-
...PERIDINIACEAE										
....PERIDINIUM	--	-	--	-	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 30...	0915	131	7.1	18.5	5	2.0	6.1	14	--	1.3	<2	K8
JAN 06...	1245	127	7.4	8.8	0	5.0	11.4	21	--	2.5	K1	K1
FEB 25...	1430	154	7.4	13.0	10	5.0	11.4	19	--	2.0	<2	K18
APR 23...	1635	154	7.8	23.5	5	3.0	10.1	120	--	3.0	K2	--
JUN 24...	1535	148	8.5	30.5	0	1.0	9.4	19	--	.9	<2	K10
AUG 27...	1100	136	8.0	32.5	5	2.0	8.3	31	--	1.3	<2	K38
B27...	1101	185	6.7	25.5	10	6.0	.1	35	--	6.1	--	--
SEP 10...	1630	--	--	--	--	--	--	--	76000	--	--	--

DATE	ALKALINITY FIELD (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT 30...	--	6	--	.04	--	--	1.2	--	.06	.02	.03	.02
JAN 06...	--	14	--	.4	--	1.0	.88	--	.05	.04	--	.01
FEB 25...	69	9	.26	.29	--	.96	.86	--	.07	.07	.01	.00
APR 23...	69	3	--	.07	--	2.4	.61	--	.04	--	.03	.03
JUN 24...	69	5	--	.08	--	.92	.94	--	.04	--	.04	.03
AUG 27...	65	10	.12	.15	--	1.7	.97	--	.07	.04	.02	.03
B27...	86	9	.06	.03	--	1.4	1.7	--	.02	.03	--	.00
SEP 10...	--	--	--	--	160	--	--	4600	--	--	--	--

DATE	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)
AUG 27...	60	16	4.9	2.4	4.2	<5.0	2.3	7	2	--	0
B27...	--	--	--	--	--	--	--	--	7	--	--
SEP 10...	--	--	--	--	--	--	--	--	--	25	--

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)
AUG 27...	<1	--	0	<1	--	10	0	--	2	6	--
B27...	<1	--	--	<1	--	--	0	--	--	6	--
SEP 10...	--	1	--	--	<1	--	--	6	--	--	23

< Actual value is known to be less than the value shown.
B Sample collected near the bottom of the lake.
K Results based on colony count outside the acceptable range (non-ideal count).

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)
AUG										
27...	<10	1	1	--	20	1	--	.0	.0	--
B27...	150	--	1	--	--	1200	--	--	.0	--
SEP										
10...	--	--	--	20	--	--	650	--	--	.05

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
AUG										
27...	0	2	--	0	0	--	2.0	10	3	--
B27...	--	1	--	--	0	--	.0	--	39	--
SEP										
10...	--	--	17	--	--	0	--	--	--	65

DATE	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT- TOM MA- TERIAL (UG/G AS CN)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI- METRIC (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)
OCT											
30...	5.6	.5	--	--	--	--	<.1	<1	<.1	<1	<.001
JAN											
06...	5.7	.6	--	--	--	--	<.1	<1	<.1	<1	<.001
FEB											
25...	4.8	1.9	--	--	--	--	<.1	52	<.1	<1	<.001
APR											
23...	10	.9	--	--	--	--	<.1	<1	<.1	<1	<.001
JUN											
24...	8.6	1.0	--	--	--	--	<.1	<1	<.1	<1	<.001
AUG											
27...	5.3	.1	.00	--	0	--	<.1	--	<.1	--	<.001
B27...	5.6	.4	--	--	--	--	--	--	--	--	--
SEP											
10...	--	--	--	0	--	0	--	<1	--	<1	--

DATE	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT											
30...	<.1	<.1	15	<.001	25	<.001	57	<.001	<.1	.02	<.1
JAN											
06...	<.1	<.1	14	<.001	25	<.001	64	<.001	1.8	<.01	--
FEB											
25...	<.1	<.1	17	<.001	43	<.001	25	<.001	10	<.01	<.1
APR											
23...	<.1	<.1	16	<.001	46	<.001	67	<.001	18	.01	<.1
JUN											
24...	<.1	<.1	28	<.001	22	<.001	65	<.001	2.6	<.01	<.1
AUG											
27...	--	<.1	--	<.001	--	<.001	--	<.001	--	.04	--
B27...	--	--	--	--	--	--	--	--	--	--	--
SEP											
10...	<.1	--	21	--	35	--	83	--	10	--	<.1

< Actual value is known to be less than the value shown.
B Sample collected near the bottom of the lake.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 30...	<.001	.4	<.001	<.1	<.001	<.1	<.01	<.1	<.001	<.1
JAN 06...	.003	.7	<.001	<.1	<.001	<.1	<.01	--	<.001	<.1
FEB 25...	<.001	.9	<.001	<.1	<.001	<.1	<.01	<.1	<.001	<.1
APR 23...	<.001	2.1	<.001	<.1	<.001	<.1	<.01	<.1	<.001	<.1
JUN 24...	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1	<.001	<.1
AUG 27...	<.001	--	<.001	--	<.001	--	<.01	--	<.001	--
B27...	--	--	--	--	--	--	--	--	--	--
SEP 10...	--	<.1	--	<.1	--	<.1	--	<.1	--	<.1

DATE	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)
OCT 30...	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01	<.1
JAN 06...	<.001	<.1	<.001	<.1	<.01	--	<.01	<.1	<.01	--
FEB 25...	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01	<.1
APR 23...	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01	<.1
JUN 24...	<.001	<.1	<.001	<.1	<.01	<.1	<.01	<.1	<.01	<.1
AUG 27...	<.001	--	<.001	--	<.01	--	<.01	--	.01	--
B27...	--	--	--	--	--	--	--	--	--	--
SEP 10...	--	<.1	--	<.1	--	<.1	--	<.1	--	<.1

DATE	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT 30...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
JAN 06...	<.01	--	<.01	<.1	<.01	--	<.01	<.1	<.1	<1
FEB 25...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
APR 23...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
JUN 24...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.1	<1
AUG 27...	<.01	--	<.01	--	<.01	--	<.01	--		--
B27...	--	--	--	--	--	--	--	--	--	--
SEP 10...	--	<.1	--	<.1	--	<.1	--	<.1	--	<1

< Actual value is known to be less than the value shown.
B Sample collected near the bottom of the lake.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	ALGAL GROWTH POTEN-TIAL, BOTTLE TEST (MG/L)
OCT 30...	<.01	<.1	.08	.00	.00	.00	82000	21.2	5.03	--
JAN 06...	<.01	--	.06	.00	.00	.00	15000	19.4	2.45	--
FEB 25...	<.01	<.1	.05	<.01	<.01	<.01	2700	2.63	.000	13
APR 23...	<.01	<.1	.05	<.01	<.01	<.01	16000	8.94	.000	.3
JUN 24...	<.01	<.1	.06	<.01	<.01	<.01	550000	10.3	.000	5.1
AUG 27...	<.01	--	.04	<.01	<.01	<.01	130000	26.4	2.55	.3
B27...	--	--	--	--	--	--	--	--	--	--
SEP 10...	--	<.1	--	--	--	--	--	--	--	--

< Actual value is known to be less than the value shown.

B Sample collected near the bottom of the lake.

LAKE BRUIN LIMNOLOGICAL INVESTIGATION--Continued

315725091122400 LAKE BRUIN AT SOUTHEAST END, NEAR ST. JOSEPH, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO AUGUST 1981

DATE TIME	OCT 30,80 0915	JAN 6,81 1245	FEB 25,81 1430	APR 23,81 1635	JUN 24,81 1535	AUG 27,81 1100
TOTAL CELLS/ML	82000	15000	2700	16000	550000	130000
DIVERSITY: DIVISION	0.3	1.4	1.6	0.9	0.0	0.2
.CLASS	0.3	1.4	1.6	0.9	0.0	0.2
..ORDER	1.4	1.6	1.7	1.4	1.1	1.0
...FAMILY	1.4	1.7	2.2	1.7	1.1	1.0
....GENUS	2.1	2.5	2.6	2.3	1.1	1.1

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)												
.BACILLARIOPHYCEAE												
..BACILLARIALES												
...NITZSCHIACEAE												
....NITZSCHIA	*	0	--	-	*	0	140	1	--	-	--	-
..EUPODISCALES												
...COSCINODISCACEAE												
....CYCLOTELLA	650	1	1000	7	370	14	380	2	--	-	--	-
....MELOSIRA	450	1	4800#	33	550#	20	--	-	--	-	--	-
..FRAGILARIALES												
...FRAGILARIACEAE												
....SYNEDRA	*	0	88	1	--	-	--	-	*	0	*	0
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...CHLOROCOCCACEAE												
....SCHROEDERIA	--	-	--	-	--	-	--	-	--	-	*	0
....TETRAEDRON	*	0	--	-	*	0	*	0	*	0	*	0
...DICTYOSPHAERIACEAE												
....DICTYOSPHAERIUM	*	0	--	-	--	-	470	3	--	-	--	-
...MICRACTINIACEAE												
....GOLENKINIA	--	-	--	-	--	-	280	2	--	-	--	-
....MICRACTINIUM	--	-	--	-	150	6	940	6	--	-	--	-
...OOCYSTACEAE												
....ANKISTRODESMUS	*	0	240	2	230	8	94	1	*	0	2100	2
....CHODATELLA	--	-	--	-	*	0	--	-	--	-	--	-
....OOCYSTIS	--	-	120	1	--	-	--	-	--	-	--	-
....SELENASTRUM	*	0	380	3	--	-	310	2	--	-	--	-
....TREUBARIA	*	0	--	-	--	-	*	0	*	0	--	-
...SCENEDESMACEAE												
....CRUCIGENIA	--	-	--	-	260	9	--	-	--	-	--	-
....SCENEDESMUS	700	1	120	1	39	1	280	2	--	-	--	-
....TETRASTRUM	--	-	120	1	--	-	--	-	--	-	--	-
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	*	0	120	1	39	1	*	0	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)												
.CRYPTOPHYCEAE												
..CRYPTOMONADALES												
...CRYPTOCHRYSIDACEAE												
....CHROOMONAS	*	0	*	0	--	-	*	0	--	-	--	-
...CRYPTOMONADACEAE												
....CRYPTOMONAS	*	0	*	0	--	-	*	0	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....AGMENELLUM	11000	13	2400#	16	--	-	1700	10	*	0	--	-
....ANACYSTIS	31000#	38	4700#	33	1000#	38	10000#	62	17000	3	2500	2
....DACTYLOCOCCOPSIS	--	-	*	0	--	-	--	-	--	-	--	-
..NOSTOCALES												
...NOSTOCACEAE												
....ANABAENA	--	-	150	1	--	-	350	2	--	-	--	-
....ANABAENOPSIS	2100	3	--	-	--	-	--	-	150000#	27	--	-
....APHANIZOMENON	--	-	--	-	--	-	420	3	--	-	--	-
....CYLINDROSPERMUM	--	-	--	-	--	-	--	-	--	-	100000#	79
..OSCILLATORIALES												
...OSCILLATORIACEAE												
....LYNGBYA	5000	6	--	-	--	-	--	-	380000#	69	4900	4
....OSCILLATORIA	30000#	37	--	-	--	-	520	3	--	-	17000	13
EUGLENOPHYTA (EUGLENOIDS)												
.EUGLENOPHYCEAE												
..EUGLENALES												
...EUGLENACEAE												
....EUGLENA	*	0	--	-	*	0	--	-	--	-	--	-
....PHACUS	*	0	--	-	--	-	--	-	--	-	--	-
....TRACHELOMONAS	--	-	240	2	--	-	*	0	--	-	*	0
PYRRHOPHYTA (FIRE ALGAE)												
.DINOPHYCEAE												
..DINOKONTAE												
...GLENODINIACEAE												
....GLENODINIUM	*	0	--	-	--	-	*	0	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

310552091361200 MISSISSIPPI RIVER (COOCHIE) NEAR BLACK HAWK, LA (CE 01020)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
21...	1245	228000	99	209	129000
NOV					
03...	1245	237000	99	175	112000
17...	1145	235000	100	152	96400
DEC					
01...	1315	275000	94	157	117000
15...	1230	329000	95	125	111000
29...	1400	264000	97	220	157000
JAN					
13...	1400	187000	100	134	67700
27...	1345	170000	98	99	45400
FEB					
09...	1345	266000	95	278	200000
23...	1330	370000	88	214	214000
MAR					
09...	1415	753000	71	652	1330000
23...	1330	421000	88	219	249000
APR					
06...	1330	324000	95	319	279000
20...	1330	396000	85	148	158000
MAY					
04...	1345	667000	88	420	756000
JUN					
01...	1315	1010000	88	563	1540000
15...	1315	985000	55	712	1890000
29...	1330	880000	82	522	1240000
JUL					
13...	1345	664000	98	344	617000
27...	1400	474000	93	314	402000
AUG					
10...	1345	654000	85	676	1190000
SEP					
21...	1330	358000	97	177	171000

RED RIVER BASIN

WATER-QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

07352328 BASHAWAY CREEK NEAR HEFLIN, LA

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
JAN									
25...	1000	99	7.4	8.5	20	27	8.8	1.2	6.3
MAY									
05...	0845	118	6.5	18.5	100	32	7.2	3.4	7.3

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
JAN								
25...	2.3	21	14	8.8	.3	12	79	670
MAY								
05...	1.7	22	14	9.8	.0	13	86	71

DATE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
JAN		
25...	480	0
MAY		
05...	400	280

07352380 MADDEN MILL CREEK NEAR FRYEBURG, LA

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
JAN									
25...	1000	40	7.6	7.5	20	8	2.8	.2	3.8
MAY									
05...	1000	49	8.3	18.0	60	0	2.0	1.2	3.4

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
JAN								
25...	1.1	12	3.8	4.8	.2	15	52	40
MAY								
05...	1.0	15	.2	3.1	.1	12	51	33

DATE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
JAN		
25...	380	79
MAY		
05...	500	340

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

RED RIVER BASIN

310408091424500 RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL ABOVE SIMMESPORT, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
OCT					
10...	1315	39800	100	564	60600
24...	1330	14800	100	88	3520
NOV					
07...	1330	22000	99	171	10200
21...	1315	27600	99	165	12300
DEC					
05...	1330	29700	95	149	11900
19...	1315	45400	99	657	80500
JAN					
16...	1400	17800	100	99	4760
FEB					
06...	1415	32200	98	343	29800
13...	1345	41800	99	157	17700
27...	1400	24100	98	114	7420
MAR					
13...	1345	73600	99	628	125000
27...	1345	23300	96	106	6670
APR					
10...	1415	30400	97	171	14000
MAY					
07...	1345	27700	99	174	13000
21...	1345	71600	97	1020	197000
JUN					
04...	1400	92300	98	258	64300
18...	1415	13500	96	650	23700
JUL					
15...	1400	64800	98	284	49700
30...	1400	17900	98	84	4060
AUG					
13...	1345	16800	100	86	3900
27...	1400	10400	100	84	2360
SEP					
10...	1400	17100	100	130	6000
24...	1430	9900	100	133	3560

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1982 WATER YEAR

RED RIVER BASIN

07344450 PAW PAW BAYOU NEAR GREENWOOD, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 4, 1981...	14.5	--	APR. 14..........	16.5	7.6
DEC. 17.........	8.5	9.2	MAY 18..........	21.0	9.5
JAN. 27, 1982...	7.0	11.9	JULY 13..........	33.0	5.1
MAR. 10.........	13.0	--	AUG 25..........	27.0	3.3

07348000 TWELVEMILE BAYOU NEAR DIXIE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 2, 1981...	22.5	--	APR. 14..........	19.5	9.5
NOV. 4.........	13.0	--	MAY 18..........	26.5	6.5
DEC. 17.........	9.5	12.2	JULY 13..........	31.0	7.0
JAN. 27, 1982...	7.0	8.8	AUG. 25..........	29.5	8.3
MAR. 10.........	13.5	--			

07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 1, 1981...	22.5	--	FEB. 25..........	7.0	--
NOV. 3.........	15.0	7.7	APR. 15..........	18.0	6.7
DEC. 8.........	11.5	7.3	MAY 13..........	17.0	7.2
JAN. 20, 1982...	7.0	--	JUNE 24..........	22.5	--
JAN. 26.........	6.0	--	JULY 29..........	28.5	--
FEB. 22.........	14.5	--	AUG. 31..........	29.5	6.3

07349374 FLAT RIVER NEAR CURTIS, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 7, 1981...	21.0	--	MAY 27..........	25.0	--
OCT. 22.........	18.0	--	JUNE 25..........	25.0	--
NOV. 5.........	14.0	--	JULY 27..........	26.0	13.8
DEC. 10.........	9.9	--	AUG. 19..........	23.0	8.0
JAN. 22, 1982...	11.0	--	SEPT. 1..........	26.0	5.5
MAR. 3.........	14.5	--	SEPT. 13..........	24.0	--
APR. 17.........	20.0	--	SEPT. 22..........	19.5	--
MAY. 18.........	22.0	--			

07349500 BODCAU BAYOU NEAR SAREPTA, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 4, 1981...	14.0	8.3	MAY 14..........	20.0	--
DEC. 9.........	10.5	9.7	JUNE 24..........	23.0	--
JAN. 21, 1982...	10.0	--	JUNE 28..........	22.0	--
FEB. 23.........	12.5	--	AUG. 2..........	21.5	6.8
APR. 16.........	19.5	9.7	AUG. 31.........	29.0	8.3
APR. 20.........	12.8	--			

07349795 CYPRESS BAYOU ABOVE BENTON, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 4, 1981...	13.5	5.2	APR. 16..........	19.5	8.8
DEC. 9.........	11.0	7.8	MAY 14..........	17.0	5.0
JAN. 21, 1982...	9.0	--	JUNE 25..........	22.0	7.3
MAR. 1.........	10.0	--	AUG. 2..........	23.0	7.2

07349860 RED CHUTE BAYOU AT SLIGO, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 7, 1981...	20.5	--	APR. 17..........	20.0	7.1
NOV. 5.........	16.0	7.0	MAY 18..........	21.0	6.2
DEC. 10.........	11.0	7.1	JUNE 25..........	27.0	--
JAN. 22, 1982...	11.0	--	JULY 27..........	25.0	5.8
MAR. 3.........	15.0	--	SEPT. 1..........	28.5	4.6

07351000 BOGGY BAYOU NEAR KEITHVILLE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 2, 1981...	23.0	--	APR. 14..........	17.0	8.2
NOV. 4.........	13.5	--	MAY 19..........	22.0	7.6
DEC. 17.........	9.5	--	JULY 12..........	32.5	3.3
JAN. 27, 1982...	8.5	9.2	AUG. 26..........	27.5	2.5
MAR. 11.........	14.5	--			

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1982 WATER YEAR

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
RED RIVER BASIN--Continued					
07351571 BAYOU PIERRE BELOW CASPIANA, LA					
JULY 12, 1979a..	24.0	--	JAN. 28, 1981a...	12.0	12.8
AUG. 30a........	29.5	--	MAR. 5a.........	15.0	8.2
SEPT. 26a........	17.5	--	MAR. 6a.........	14.0	9.7
NOV. 12a........	12.0	--	APR. 17a.........	23.0	--
JAN. 23, 1980a..	10.0	10.4	MAY 21a.........	22.5	7.6
FEB. 13a........	6.0	11.8	JUNE 8a.........	28.0	6.3
MAR. 22a........	17.0	--	JULY 17a.........	38.0	5.8
MAR. 24a........	15.5	--	AUG. 27a.........	22.0	7.9
APR. 17a........	15.0	--	OCT. 5..........	23.0	--
APR. 21a........	17.0	--	NOV. 3..........	14.0	--
MAY 19a........	23.5	--	DEC. 18..........	9.0	12.0
JUNE 26a........	29.0	--	JAN. 26, 1982....	10.5	8.8
JULY 30a........	29.0	8.7	MAR. 9..........	13.5	--
SEPT. 8a........	29.5	7.0	APR. 13..........	20.5	7.1
OCT. 3a........	19.0	8.0	MAY 17..........	26.0	--
NOV. 6a........	14.0	9.7	JULY 12..........	31.0	5.4
DEC. 12a........	9.0	10.0	AUG. 24..........	29.5	7.1
07351600 BAYOU PIERRE NEAR GRAND BAYOU, LA					
OCT. 5, 1981...	23.0	--	APR. 13..........	20.5	7.6
NOV. 3.........	13.5	--	MAY 17..........	25.5	7.0
DEC. 16.........	10.0	10.6	MAY 19..........	26.0	--
JAN. 26, 1982...	9.5	10.3	JULY 12..........	31.0	4.8
MAR. 9.........	13.5	--	AUG. 24..........	29.0	6.5
07352000 SALINE BAYOU NEAR LUCKY, LA					
NOV. 2, 1981...	14.0	7.1	APR. 21..........	12.8	--
DEC. 14.........	9.0	7.2	MAY 11..........	15.0	7.4
DEC. 31.........	7.5	--	JUNE 22..........	23.0	--
JAN. 29, 1982...	11.0	--	JULY 29..........	25.0	--
FEB. 16.........	15.0	--	AUG. 26..........	27.0	--
APR. 13.........	16.0	--	SEPT. 29..........	17.5	--
07352800 GRAND BAYOU NEAR COUSHATTA, LA					
OCT. 5, 1981...	23.0	--	APR. 21..........	16.5	--
NOV. 6.........	17.0	8.0	APR. 23..........	13.5	6.2
NOV. 25.........	12.0	1.4	MAY 12..........	17.5	6.3
DEC. 7.........	15.5	--	JUNE 23..........	26.0	--
JAN. 19, 1982...	5.0	--	AUG. 3..........	23.0	4.8
FEB. 23.........	14.5	--	AUG. 31..........	27.0	--
APR. 3.........	15.0	7.6			
07354100 KISATCHIE BAYOU AT LOTUS, LA					
OCT. 2, 1981...	22.0	--	MAR. 1..........	13.5	--
NOV. 12.........	11.5	11.0	APR. 12..........	18.5	8.8
DEC. 10.........	10.0	11.4	MAY. 20..........	23.0	7.6
JAN. 20, 1982...	14.0	11.4	JULY 7..........	27.5	--
FEB. 16.........	14.0	--	AUG. 19..........	26.5	--
FEB. 17..........	14.5	--			
07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE					
NOV. 23, 1981...	12.5	9.8	SEPT. 24, 1982....	25.0	--
07364200 BAYOU BARTHOLOMEW NEAR JONES, LA					
OCT. 5, 1981...	23.5	--	MAR. 25..........	19.0	--
NOV. 12.........	11.0	7.4	APR. 27..........	14.5	8.5
DEC. 15.........	7.0	9.4	MAY 25..........	24.5	--
JAN. 21, 1982...	9.0	--	JUNE 22..........	19.0	4.1
FEB. 23.........	16.0	--	AUG. 5..........	29.0	--
MAR. 5.........	10.0	--	SEPT. 2..........	28.5	--
07364890 BAYOU D'ARBONNE NEAR HICO, LA					
OCT. 20, 1981...	15.0	--	MAR. 27..........	12.0	10.0
NOV. 2.........	15.0	--	MAY 10..........	19.5	--
NOV. 25.........	15.0	4.8	JUNE 20..........	20.0	--
DEC. 7.........	23.0	6.8	JULY 16..........	26.8	--
JAN. 18, 1982...	2.0	--	AUG. 3..........	24.7	--
MAR. 6.........	11.0	--	AUG. 30..........	30.0	--

a Not previously published.

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1982 WATER YEAR

RED RIVER BASIN--Continued

07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 2, 1981...	16.0	--	APR. 1..........	16.5	7.7
DEC. 7.........	26.5	8.6	MAY 12..........	19.5	--
JAN. 18, 1982...	1.0	13.2	AUG. 3..........	25.7	--
MAR. 6.........	11.0	--	AUG. 31..........	28.5	--

07368000 BOEUF RIVER NEAR GIRARD, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 13, 1981...	21.5	--	APR. 23..........	14.8	7.0
NOV. 10.........	14.2	6.7	MAY 18..........	25.7	--
DEC. 8.........	13.6	8.4	JUNE 23..........	21.8	5.2
JAN. 19, 1982...	6.5	--	AUG. 4..........	28.1	--
FEB. 24.........	16.0	--	SEPT. 3..........	27.5	--
APR. 13.........	14.9	6.3			

07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 9, 1981...	15.0	9.7	APR. 24..........	14.0	8.6
DEC. 8.........	13.8	9.3	APR. 26..........	15.5	6.0
JAN. 19, 1982...	7.0	11.6	JUNE 23..........	25.2	6.4
FEB. 20.........	16.0	--	AUG. 4..........	28.2	--
APR. 13.........	14.8	8.5	SEPT. 1.........	28.0	--
APR. 22.........	13.2	7.4			

07369500 TENSAS RIVER AT TENDAL, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 10, 1981...	15.2	11.0	MAY 18..........	26.5	--
DEC. 10.........	12.0	8.8	JUNE 24..........	22.0	3.2
JAN. 20, 1982...	8.0	--	AUG. 4..........	25.0	6.3
FEB. 18.........	22.0	17.0	SEPT. 3..........	28.5	6.8
APR. 15.........	16.1	5.8	SEPT. 13..........	27.0	--
APR. 22.........	14.8	5.0			

07369700 BAYOU MACON NEAR KILBOURNE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 6, 1981...	23.5	--	MAY 25..........	24.4	--
DEC. 14.........	9.0	8.8	JULY 14..........	29.5	6.2
JAN. 25, 1982...	9.5	--	SEPT. 9..........	26.5	--

07370000 BAYOU MACON NEAR DELHI, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 10, 1981...	19.0	6.8	JUNE 23..........	27.0	3.8
DEC. 10.........	11.0	11.4	JULY 22..........	32.0	--
JAN. 20, 1982 ..	8.0	--	AUG. 30..........	30.5	--
FEB. 19.........	16.0	--	SEPT. 14..........	27.0	--
APR. 14.........	16.0	9.4	SEPT. 15..........	28.0	--
APR. 22.........	14.8	6.3	SEPT. 17..........	29.5	--
MAY 13.........	22.7	--	SEPT. 29..........	23.0	--

07371500 DUGDEMONA RIVER NEAR JONESBORO, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
NOV. 4, 1981...	18.0	4.6	MAR. 24..........	12.0	--
DEC. 1.........	12.0	4.8	APR. 21..........	12.7	--
JAN. 19, 1982...	6.0	--	MAY 10..........	15.5	5.1
FEB. 1.........	6.0	--	JUNE 22..........	18.0	--
FEB. 22.........	14.0	--	JULY 29..........	27.0	--
MAR. 23.........	17.0	--	AUG. 30..........	30.0	--

07372200 LITTLE RIVER NEAR ROCHELLE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 1, 1981...	24.5	--	APR. 19..........	20.0	--
NOV. 6.........	18.0	7.3	APR. 26..........	17.5	--
DEC. 9.........	11.5	8.2	JULY 12..........	27.0	--
JAN. 22, 1982...	10.0	11.2	AUG. 16..........	28.5	--
MAR. 3.........	15.0	--			

07373000 BIG CREEK AT POLLOCK, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 1, 1981...	22.5	--	MAR. 12..........	16.0	--
NOV. 6.........	15.5	9.8	APR. 15..........	18.5	--
DEC. 9.........	11.0	9.1	JULY 9..........	25.0	--
JAN. 21, 1982...	14.0	--	AUG. 19..........	27.0	--
MAR. 9.........	11.5	--			

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1982 WATER YEAR

RED RIVER BASIN--Continued

07373251 HEMPHILL CREEK AT NEBO, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 1, 1981...	26.5	--	MAR. 5..........	14.0	--
OCT. 5.........	23.5	--	APR. 12..........	15.0	--
NOV. 10.........	17.5	13.2	APR. 21..........	17.0	--
DEC. 22.........	13.5	--	MAY 21..........	23.5	8.4
JAN. 21, 1982...	17.0	--	JULY 7..........	27.5	--
FEB. 16.........	13.5	--	AUG. 20..........	28.0	--

MISSISSIPPI RIVER DELTA

07381800 SPRING CREEK NEAR GLENMORA, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 2, 1981...	22.0	--	MAR. 2..........	14.0	--
OCT. 29.........	15.0	--	APR. 12..........	15.0	--
DEC. 17.........	12.0	--	MAY 20..........	21.5	--
JAN. 4, 1982...	15.0	--	JULY 7..........	24.0	4.3
JAN. 22.........	18.0	--	AUG. 17..........	24.0	--
FEB. 16.........	15.0	--			

07382000 BAYOU COCODRIE NEAR CLEARWATER, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 6, 1981...	25.5	--	APR. 12..........	16.0	6.1
OCT. 26.........	15.5	--	MAY 20..........	23.0	--
DEC. 11.........	12.0	3.7	MAY 24..........	24.0	4.3
JAN. 21, 1982...	12.0	7.4	JULY 8..........	28.0	2.0
MAR. 2.........	14.5	--	AUG. 20..........	28.0	--

07382500 BAYOU COURTABLEAU AT WASHINGTON, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 2, 1981...	25.0	6.2	MAR. 9..........	12.0	9.0
NOV. 13.........	15.0	3.5	APR. 24..........	16.0	6.5
DEC. 22.........	11.0	4.5	JULY 13..........	29.0	3.2
JAN. 28, 1982...	13.0	--	AUG. 24..........	29.0	4.6
FEB. 4.........	10.5	--			--

07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 6, 1981...	28.0	--	MAY 17..........	26.5	--
NOV. 6.........	18.5	--	MAY 21..........	26.0	--
DEC. 10.........	11.5	--	JULY 6..........	28.5	5.3
JAN. 21, 1982...	15.0	8.2	AUG. 18..........	28.5	--
APR. 12.........	18.5	7.3			

07385500 BAYOU TECHE AT ARNAUDVILLE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 1, 1981...	26.0	5.7	JUNE 4.........	29.0	2.9
NOV. 11.........	15.0	6.2	JULY 13.........	29.0	2.7
DEC. 29.........	11.5	4.8	AUG. 24.........	30.0	3.1
MAR. 9, 1982...	13.5	7.4	AUG. 31.........	29.0	3.0
APR. 22.........	16.5	5.2			

MERMENTAU RIVER BASIN

08010000 BAYOU DES CANNES NEAR EUNICE, LA

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 5, 1981...	27.5	2.0	MAR. 16.........	23.5	3.2
NOV. 16.........	17.5	--	APR. 20.........	22.5	4.2
DEC. 23.........	11.5	3.4	JUNE 3.........	29.0	1.5
JAN. 25, 1982...	14.0	6.6	JULY 21.........	27.5	3.5
FEB. 4.........	10.0	--	AUG. 30.........	31.0	5.4

08012000 BAYOU NEZPIQUE NEAR BASILE, LA

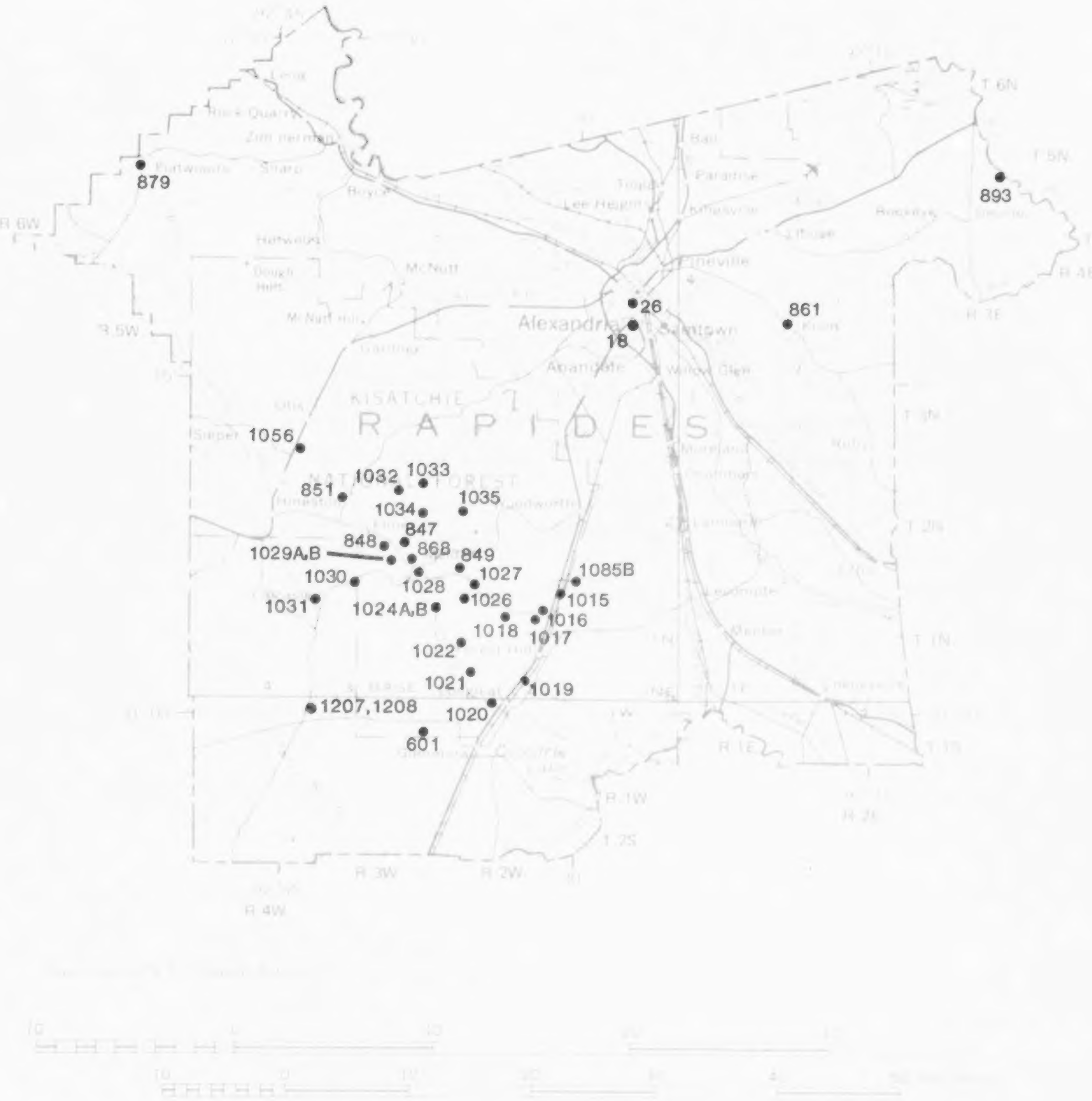
DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
OCT. 1, 1981...	25.5	2.1	APR. 19.........	21.0	4.4
NOV. 16.........	15.5	--	JUNE 3.........	27.0	4.3
JAN. 25, 1982...	13.0	7.6	JULY 21.........	26.0	6.8
MAR. 16.........	22.0	1.5	AUG. 30.........	28.5	3.2

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1982 WATER YEAR

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
CALCASIEU RIVER BASIN					
08013000 CALCASIEU RIVER NEAR GLENMORA, LA					
OCT. 2, 1981	22.5	--	FEB. 18	15.0	--
OCT. 29	14.0	--	APR. 12	15.0	--
DEC. 17	8.5	--	MAY 20	22.5	--
JAN. 4, 1982	10.5	--	JULY 9	25.0	6.0
JAN. 22	14.5	--	AUG. 17	25.5	--
08013500 CALCASIEU RIVER NEAR OBERLIN, LA					
OCT. 1, 1981	24.0	--	APR. 19	21.5	6.4
NOV. 17	15.5	--	JUNE 8	27.0	6.2
DEC. 16	7.0	4.2	JULY 19	26.0	6.7
JAN. 26, 1982	12.0	7.6	JULY 30	26.5	--
JAN. 28	11.5	--	AUG. 26	28.5	4.2
MAR. 1	14.0	--	SEPT. 2	27.0	4.2
08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA					
OCT. 1, 1981	23.5	--	APR. 23	15.0	7.5
NOV. 17	16.0	5.8	JUNE 8	28.0	4.2
DEC. 16	8.5	3.8	JULY 19	25.0	9.0
JAN. 26, 1982	11.5	10.6	AUG. 26	25.0	3.0
MAR. 10	14.5	8.7			
08015500 CALCASIEU RIVER NEAR KINDER, LA					
MAR. 2, 1982	14.5	--	JULY 20	28.5	--
APR. 26	18.0	6.8	AUG. 20	28.2	--
08016400 BECKWITH CREEK NEAR DE QUINCY, LA					
OCT. 1, 1981	23.5	--	APR. 23	15.0	--
MAR. 16, 1982	21.5	--	JULY 17	25.5	--
SABINE RIVER BASIN					
08022765 BAYOU CASTOR NEAR FUNSTON, LA					
NOV. 4, 1981	11.5	2.0	APR. 20	18.5	--
DEC. 16	6.0	8.6	APR. 21	16.0	7.7
JAN. 26, 1982	7.5	--	MAY 18	19.5	6.0
MAR. 10	13.0	--	JULY 13	24.5	--
08023080 BAYOU GRAND CANE NEAR STANLEY, LA					
NOV. 4, 1981	14.0	2.3	APR. 21	16.5	6.0
DEC. 16	6.0	8.8	MAY 18	20.5	6.1
JAN 26, 1982	9.0	--	JULY 13	27.0	--
MAR. 10	13.5	--			
08023400 BAYOU SAN PATRICIO NEAR BENSON, LA					
NOV. 5, 1981	13.5	8.1	APR. 20	17.5	--
DEC. 15	8.0	8.2	MAY 17	22.0	6.0
JAN. 26, 1982	9.5	--	JULY 14	26.0	--
MAR. 10	13.0	--			
08025500 BAYOU TORO NEAR TORO, LA					
OCT. 1, 1981	22.0	6.2	MAR. 1	20.0	10.0
NOV. 9	14.5	8.3	MAY 27	24.0	--
DEC. 22	11.5	11.6	JULY 14	27.0	--
JAN. 25, 1982	13.0	--	AUG. 24	29.0	--
08028000 BAYOU ANACOCO NEAR ROSEPINE, LA					
OCT. 1, 1981	23.0	--	APR. 23	16.0	8.1
NOV. 23	13.0	--	JUNE 9	25.5	6.2
DEC. 18	5.5	--	JULY 19	28.0	9.0
JAN. 26, 1982	15.5	9.3	AUG. 25	29.0	5.2
MAR. 10	15.0	9.8	SEPT. 7	25.5	--

ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
VOLUME 1
VOLUME 2
VOLUME 1
VOLUME 2

Figure 6.--Location of observation wells.



879
893
861
26
18
Alexandria
Pineville
Lee Heights
Paradise
Ball
Tioga
Boyce
McNutt
Gardner
Abandate
Willow Glen
KISATCHIE
RAPIDES
NATIONAL FOREST
1056
851
1032
1033
1035
1034
847
848
868
849
1029A,B
1030
1028
1027
1085B
1031
1024A,B
1026
1015
1016
1018
1017
1022
1021
1019
1207,1208
1020
601
T 6N
T 5N
T 4N
T 3N
T 2N
T 1N
T 1S
T 2S
R 6W
R 5W
R 4W
R 3W
R 2W
R 1W
R 1E
R 2E
R 3E
R 4E

Figure 7.--Location of observation wells in Rapides Parish.

ALLEN PARISH

305218092482001   LOCAL WELL NUMBER: AL-254

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 2S., R. 4W.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 100 FT, SCREENED 97-100. MP TOP INSIDE EDGE OF 1 1/4-IN CASING, 2.00 FT ABOVE LSD.
LSD 150.00 FT NGVD.
HIGHEST WATER LEVEL   52.80 BELOW LSD, APR. 15, 1982.
LOWEST WATER LEVEL   78.54 BELOW LSD, FEB. 22, 1972.
RECORDS AVAILABLE 1966-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 15, 1982	52.80						

AVOYELLES PARISH

305700092102301   LOCAL WELL NUMBER: AV-35

OWNER: INTERSTATE PIPE LINE CO. (SEC. 21, T. 1S., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE BLOUNTS CREEK MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE, DIAM 8 IN, DEPTH 714 FT, SCREENED 664-714. MP TOP OF CASING, 1.00 FT ABOVE LSD. WELL DESTROYED 5/17/82.
LSD   64.00 FT NGVD.
HIGHEST WATER LEVEL   19.48 BELOW LSD, JUNE 18, 1962.
LOWEST WATER LEVEL   33.94 BELOW LSD, DEC. 17, 1979.
RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1981	32.58	MAR. 2, 1982	32.52				

311006092081501   LOCAL WELL NUMBER: AV-163

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 2N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 1 1/4 IN, DEPTH 300 FT, SCREENED 295-300. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD   78.00 FT NGVD.
HIGHEST WATER LEVEL   23.65 BELOW LSD, APR. 15, 1975.
LOWEST WATER LEVEL   49.72 BELOW LSD, OCT. 13, 1972.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1981	36.74	MAR. 2, 1982	36.87	MAY 17, 1982	37.38	SEP. 17, 1982	38.47

310339092101501   LOCAL WELL NUMBER: AV-166

OWNER: FIFTH WARD WATER DISTRICT. (SEC. 16, T. 1N., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND OF MIOCENE AGE, DIAM 10 IN, DEPTH 370 FT, SCREENED 320-370. MP TOP OF BREATHER PIPE, 2.00 FT ABOVE LSD.
LSD   75.00 FT NGVD.
HIGHEST WATER LEVEL   36.34 BELOW LSD, MAY 12, 1966.
LOWEST WATER LEVEL   90.44 BELOW LSD, DEC. 15, 1980.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1981	47.29	MAR. 2, 1982	49.70	MAY 17, 1982	80.91A	SEP. 17, 1982	81.25A

310453092022902   LOCAL WELL NUMBER: AV-177

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 47, T. 1N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE BLOUNTS CREEK MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE, DIAM 1 1/4 IN, DEPTH 360 FT, SCREENED 350-360. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD   80.00 FT NGVD.
HIGHEST WATER LEVEL   34.30 BELOW LSD, APR. 15, 1975.
LOWEST WATER LEVEL   40.90 BELOW LSD, DEC. 10, 1981.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1981	40.90	MAR. 2, 1982	40.09	MAY 17, 1982	39.88	SEP. 17, 1982	40.02

See footnotes at end of table.

AVOYELLES PARISH

311336092095901 LOCAL WELL NUMBER: AV-271

OWNER: U. S. GEOL. SURVEY. (SEC. 38, T. 3N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 370 FT, SCREENED 365-370. MP TOP OF CASING, 3.40 FT ABOVE LSD.
LSD 95.00 FT NGVD.
HIGHEST WATER LEVEL 55.05 BELOW LSD, JULY 18, 1973, JUNE 30, 1975,
LOWEST WATER LEVEL 67.49 BELOW LSD, MAR. 4, 1981.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1981	67.36	MAR. 3, 1982	63.15	MAY 18, 1982	66.33	SEP. 14, 1982	66.02

310321092103901 LOCAL WELL NUMBER: AV-307

OWNER: FIFTH WARD WATER DISTRICT. (SEC. 16, T. 1N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN SAND OF MIOCENE AGE, DIAM 10 IN, DEPTH 409 FT, SCREENED 359-409. MP TOP OF STEEL PLATE, 1.00 FT ABOVE LSD.
LSD 70.00 FT NGVD.
HIGHEST WATER LEVEL 35.91 BELOW LSD, JUNE 20, 1966,
LOWEST WATER LEVEL 72.75 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1981	47.70D	MAR. 2, 1982	52.38D	MAY 17, 1982	70.24C	SEP. 17, 1982	69.45C

BIENVILLE PARISH

323240093032001 LOCAL WELL NUMBER: BI-2

OWNER: TOWN OF GIBSLAND. (SEC. 14, T. 18N, R. 7W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN, DEPTH 490 FT, SCREENED 429-490. MP TOP OF CASING, 3.80 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 45.68 BELOW LSD, MAR. 31, 1949,
LOWEST WATER LEVEL 103.74 BELOW LSD, AUG. 30, 1982.
RECORDS AVAILABLE 1940, 1948-71, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	100.52	FEB. 22, 1982	97.89	MAY 21, 1982	96.11	JULY 29, 1982	97.65
DEC. 8	94.87	APR. 15	97.79	JUNE 21	98.17	AUG. 30	103.74
JAN. 20, 1982	100.18						

323251092551901 LOCAL WELL NUMBER: BI-4

OWNER: LOUISIANA GAS SERVICE CO. (SEC. 18, T. 18N., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 IN, DEPTH 585 FT, SCREENED 518-585. MP TOP OF CASING, 3.50 FT ABOVE LSD.
LSD 350.00 FT NGVD.
HIGHEST WATER LEVEL 149.55 BELOW LSD, OCT. 9, 1940,
LOWEST WATER LEVEL 228.75 BELOW LSD, JULY 1, 1977.
RECORDS AVAILABLE 1940, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	204.85	MAR. 1, 1982	208.82	MAY 21, 1982	204.30	JULY 29, 1982	205.08
DEC. 8	201.05	APR. 15	207.52	JUNE 21	206.04	AUG. 30	202.07
JAN. 20, 1982	207.94						

321709092523901 LOCAL WELL NUMBER: BI-112

OWNER: CONTINENTAL CAN CO. (SEC. 16, T. 15N., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN, DEPTH 348 FT, SCREENED 338-348. MP TOP OF BUSHING, 4.35 FT ABOVE LSD.
LSD 215.00 FT NGVD.
HIGHEST WATER LEVEL 67.43 BELOW LSD, AUG. 5, 1966,
LOWEST WATER LEVEL 112.89 BELOW LSD, MAR. 10, 1974.
RECORDS AVAILABLE 1966, 1971-77, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1981	95.14	FEB. 22, 1982	106.75	MAY 11, 1982	109.09	JULY 27, 1982	109.24
DEC. 1	107.78	APR. 13	108.41	JUNE 21	108.64	SEP. 1	110.07
JAN. 11, 1982	107.71						

See footnotes at end of table.

323505092535001 LOCAL WELL NUMBER: BI-144

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 18N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 630 FT. SCREENED 620-630. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 320.00 FT NGVD.
HIGHEST WATER LEVEL 198.27 BELOW LSD, SEP. 1, 1970.
LOWEST WATER LEVEL 225.82 BELOW LSD, SEP. 16, 1982.
RECORDS AVAILABLE 1970-73, 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	217.26	MAR. 1, 1982	219.07	JUNE 21, 1982	217.25	AUG. 30, 1982	223.53
DEC. 8	221.26	APR. 15	216.84	AUG. 2	218.54	SEP. 16	225.82
JAN. 20, 1982	217.26	MAY 21	216.38				

322436092500501 LOCAL WELL NUMBER: BI-166

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 16N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 472 FT. SCREENED 462-472. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 155.21 BELOW LSD, APR. 28, 1975.
LOWEST WATER LEVEL 166.72 BELOW LSD, AUG. 30, 1982.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1982	165.95	AUG. 30, 1982	166.72				

322343093211501 LOCAL WELL NUMBER: BI-214

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 16N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 159 FT. SCREENED 149-159. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 177.00 FT NGVD.
HIGHEST WATER LEVEL 18.91 BELOW LSD, JULY 2, 1980.
LOWEST WATER LEVEL 22.55 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1981	21.35	JAN. 18, 1982	21.47	MAY 12, 1982	21.21	AUG. 3, 1982	21.70
NOV. 6	21.46	MAR. 2	21.35	JUNE 23	20.36	SEP. 2	21.98
DEC. 2	21.42						

321616093184201 LOCAL WELL NUMBER: BI-215

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 15N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 244 FT. SCREENED 234-244. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 270.00 FT NGVD.
HIGHEST WATER LEVEL 47.14 BELOW LSD, MAY 15, 1980.
LOWEST WATER LEVEL 50.38 BELOW LSD, SEP. 2, 1982.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1981	48.86	JAN. 18, 1982	48.94	MAY 12, 1982	48.60	AUG. 3, 1982	49.06
NOV. 6	49.04	MAR. 2	48.83	JUNE 23	48.91	SEP. 2	50.38
DEC. 2	49.70	APR. 14	48.67				

322119092572301 LOCAL WELL NUMBER: BI-216

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 16N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 300 FT. SCREENED 290-300. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 200.00 FT NGVD.
HIGHEST WATER LEVEL 13.82 BELOW LSD, MAY 19, 1980.
LOWEST WATER LEVEL 17.02 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1981	15.95	JAN. 11, 1982	16.23	MAY 12, 1982	15.64	AUG. 3, 1982	16.52
NOV. 4	16.10	FEB. 22	15.31	JUNE 21	16.27	SEP. 1	16.96
DEC. 1	15.99	APR. 3	15.57				

BIENVILLE PARISH

321616093184202 LOCAL WELL NUMBER: BI-234

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 15N., R. 9W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 76 FT, SCREENED 73-76. MP TOP OF BUSHING, 2.90 FT ABOVE LSD.
LSD 270.00 FT NGVD.
HIGHEST WATER LEVEL 23.63 BELOW LSD, MAY 15, 1980,
LOWEST WATER LEVEL 29.22 BELOW LSD, JAN. 18, 1982.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1981	28.26	JAN. 18, 1982	29.22	MAY 12, 1982	26.62	AUG. 3, 1982	28.18
NOV. 6	28.36	MAR. 2	27.03	JUNE 23	27.46	SEP. 2	28.78
DEC. 2	28.41	APR. 14	26.77				

321844093242601 LOCAL WELL NUMBER: BI-237

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 15N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 171 FT, SCREENED 161-171. MP TOP OF BUSHING, AT LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 85.36 BELOW LSD, SEP. 1, 1981,
LOWEST WATER LEVEL 89.45 BELOW LSD, SEP. 2, 1982.
RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 26, 1981	88.72	NOV. 6, 1981	88.83	MAR. 2, 1982	89.18	JUNE 23, 1982	89.27
JULY 22	88.53	DEC. 2	88.90	APR. 14	89.02	JULY 28	89.16
SEP. 1	85.36	JAN. 18, 1982	88.98	MAY 18	89.02	SEP. 2	89.45
OCT. 16	88.89						

322330093165201 LOCAL WELL NUMBER: BI-238

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 16N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 167 FT, SCREENED 157-167. MP TOP OF BUSHING, AT LSD.
LSD 265.00 FT NGVD.
HIGHEST WATER LEVEL 60.05 BELOW LSD, SEP. 1, 1981,
LOWEST WATER LEVEL 62.56 BELOW LSD, SEP. 2, 1982.
RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 30, 1981	60.70	NOV. 6, 1981	61.51	MAR. 2, 1982	61.48	JUNE 23, 1982	61.84
JULY 22	60.95	DEC. 2	61.43	APR. 14	61.16	AUG. 3	62.17
SEP. 1	60.05	JAN. 18, 1982	61.45	MAY 12	61.26	SEP. 2	62.56

BOSSIER PARISH

322518093381701 LOCAL WELL NUMBER: BO-136

OWNER: LOUISIANA STATE UNIVERSITY RED RIVER VALLEY EXPERIMENT STATION. (SEC. 31, T. 17N., R. 12W.) DRILLED UNUSED ARTESIAN WELL IN THE WILXOA GROUP OF PALEOCENE-EOCENE AGE, DIAM 4 IN, DEPTH 180 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF BUSHING, 1.05 FT ABOVE LSD.
LSD 155.42 FT NGVD.
HIGHEST WATER LEVEL 10.59 BELOW LSD, JUNE 10, 1958,
LOWEST WATER LEVEL 25.68 BELOW LSD, NOV. 27, 1978.
RECORDS AVAILABLE 1955-79, 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1981	20.38	MAR. 4, 1982	20.30	JUNE 4, 1982	20.56	SEP. 3, 1982	20.62

323400093292201 LOCAL WELL NUMBER: BO-322

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 18N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 66 FT, SCREENED 63-66. MP TOP OF CASING, AT LSD.
LSD 200.00 FT NGVD.
HIGHEST WATER LEVEL 11.37 BELOW LSD, SEP. 7, 1977,
LOWEST WATER LEVEL 16.18 BELOW LSD, SEP. 1, 1982.
RECORDS AVAILABLE 1973, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1981	15.75	MAR. 20, 1982	14.24	JUNE 9, 1982	14.34	SEP. 1, 1982	16.18

BOSSIER PARISH

323840093272001 LOCAL WELL NUMBER: BO-336

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 19N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN, DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 3.40 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 26.78 BELOW LSD, JULY 11, 1974,
LOWEST WATER LEVEL 41.17 BELOW LSD, AUG. 20, 1981.
RECORDS AVAILABLE 1974, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1981	32.25	MAR. 20, 1982	36.88	JUNE 9, 1982	38.51	SEP. 1, 1982	36.22

CADDO PARISH

325045093513701 LOCAL WELL NUMBER: CD-345

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 21N., R. 14W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 54 FT, SCREENED 51-54. MP TOP OF CASING, 1.30 FT ABOVE LSD.
LSD 189.71 FT NGVD.
HIGHEST WATER LEVEL 5.81 BELOW LSD, MAY 15, 1975,
LOWEST WATER LEVEL 18.46 BELOW LSD, SEP. 7, 1978.
RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13, 1981	12.85	JAN. 6, 1982	13.07	APR. 6, 1982	12.17	JUNE 29, 1982	12.59
NOV. 10	12.99	FEB. 2	12.44	MAY 4	12.47	AUG. 3	13.18
DEC. 9	12.72	MAR. 3	11.87	JUNE 2	12.68	AUG. 31	13.52

CALDWELL PARISH

320154092164602 LOCAL WELL NUMBER: CA-86A

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 12N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 288 FT, SCREENED 278-288. MP TOP OF CASING, 2.83 FT ABOVE LSD.
LSD 160.00 FT NGVD.
HIGHEST WATER LEVEL 48.45 BELOW LSD, JAN. 13, 1976,
LOWEST WATER LEVEL 57.97 BELOW LSD, MAY 26, 1982.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 16, 1981	55.32	MAR. 4, 1982	52.36	MAY 26, 1982	57.97C	SEP. 15, 1982	52.93C

320154092164601 LOCAL WELL NUMBER: CA-86B

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 12N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 545 FT, SCREENED 535-545. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 160.00 FT NGVD.
HIGHEST WATER LEVEL 77.30 BELOW LSD, MAR. 13, 1979, AUG. 6, 1979,
LOWEST WATER LEVEL 85.76 BELOW LSD, DEC. 10, 1974.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 16, 1981	78.76	MAR. 4, 1982	78.45	MAY 26, 1982	78.60	SEP. 15, 1982	79.09

See footnotes at end of table.

CATAHOULA PARISH

311500091582501   LOCAL WELL NUMBER: CT-74

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 3N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 196 FT, SCREENED 186-196. MP TOP OF BUSHING, 3.00 FT ABOVE LSD. (AFTER JAN. 1979, WATER LEVELS MAY BE AFFECTED BY PUMPAGE FROM DEWATERING WELLS AT LOCK AND DAM 1.)
LSD 50.00 FT NGVD.
HIGHEST WATER LEVEL 4.62 ABOVE LSD, APR. 16, 1975.
LOWEST WATER LEVEL 57.00 BELOW LSD, DEC. 29, 1980.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 27, 1981	52.79	JAN. 27, 1982	50.00	APR. 29, 1982	44.50	JULY 16, 1982	36.70
OCT. 29	52.20	FEB. 10	46.20	MAY 12	43.20	AUG. 10	28.90
NOV. 12	50.70	MAR. 3	45.95	MAY 25	43.12	AUG. 17	43.45
DEC. 10	51.50	MAR. 29	46.10	JUNE 11	40.40	SEP. 21	45.12
DEC. 15	51.08	APR. 20	45.05	JULY 8	46.37	SEP. 28	46.00
JAN. 20, 1982	50.68						

CLAIBORNE PARISH

325752093082701   LOCAL WELL NUMBER: CL-9

OWNER: TOWN OF HAYNESVILLE. (SEC. 24, T. 23N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN, DEPTH 670 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 3/4-IN COLLAR, 1.40 FT ABOVE LSD.
LSD 360.00 FT NGVD.
HIGHEST WATER LEVEL 212.45 BELOW LSD, DEC. 20, 1961.
LOWEST WATER LEVEL 278.37 BELOW LSD, AUG. 28, 1980.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1981	268.26	MAR. 20, 1982	268.35	JUNE 7, 1982	267.37	AUG. 30, 1982	268.68

324707093025001   LOCAL WELL NUMBER: CL-58

OWNER: TOWN OF HOMER. (SEC. 25, T. 21N., R. 7W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN, DEPTH 482 FT, SCREENED 432-482. MP TOP OF 1-IN PIPE, 2.80 FT ABOVE LSD.
LSD 250.00 FT NGVD.
HIGHEST WATER LEVEL 95.64 BELOW LSD, JAN. 8, 1958.
LOWEST WATER LEVEL 141.19 BELOW LSD, AUG. 15, 1962.
RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 27, 1982	139.11	AUG. 30, 1982	139.61				

323943092573601   LOCAL WELL NUMBER: CL-136

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 19N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 835 FT, SCREENED 825-835. MP TOP OF CASING, 3.50 FT ABOVE LSD.
LSD 405.00 FT NGVD.
HIGHEST WATER LEVEL 297.80 BELOW LSD, JUNE 26, 1974.
LOWEST WATER LEVEL 310.10 BELOW LSD, MAR. 9, 1981.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 27, 1982	309.53	AUG. 30, 1982	309.95				

325706092591001   LOCAL WELL NUMBER: CL-137

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 23N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 639 FT, SCREENED 629-639. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 211.44 BELOW LSD, MAY 14, 1975.
LOWEST WATER LEVEL 222.59 BELOW LSD, AUG. 30, 1982.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 27, 1982	222.42	AUG. 30, 1982	222.59				

CLAIBORNE PARISH

323908093093101   LOCAL WELL NUMBER: CL-138

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 19N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 661 FT, SCREENED 651-661. MP TOP OF CASING, 3.80 FT ABOVE LSD.
LSD 380.00 FT NGVD.
HIGHEST WATER LEVEL 206.29 BELOW LSD, JULY 15, 1975.
LOWEST WATER LEVEL 216.05 BELOW LSD, AUG. 30, 1982.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1981	215.37	MAR. 20, 1982	215.32	JUNE 8, 1982	215.35	AUG. 30, 1982	216.05

325437092503301   LOCAL WELL NUMBER: CL-148

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 22N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 625 FT, SCREENED 615-625. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 190.00 FT NGVD.
HIGHEST WATER LEVEL 171.03 BELOW LSD, JUNE 23, 1980.
LOWEST WATER LEVEL 180.53 BELOW LSD, AUG. 31, 1982.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1981	178.16	FEB. 12, 1982	178.72	MAY 12, 1982	179.28	JULY 30, 1982	179.87
DEC. 7	178.47	MAR. 22	178.83	JUNE 21	179.75	AUG. 31	180.53
JAN. 11, 1982	178.46						

330002092445901   LOCAL WELL NUMBER: CL-149

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 23N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 736 FT, SCREENED 726-736. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 230.00 FT NGVD.
HIGHEST WATER LEVEL 264.01 BELOW LSD, FEB. 21, 1980.
LOWEST WATER LEVEL 269.15 BELOW LSD, JAN. 30, 1979.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 22, 1982	269.07	AUG. 31, 1982	266.71				

324908092443501   LOCAL WELL NUMBER: CL-151

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 21N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 719 FT, SCREENED 709-719. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 180.00 FT NGVD.
HIGHEST WATER LEVEL 180.24 BELOW LSD, MAY 20, 1980.
LOWEST WATER LEVEL 188.74 BELOW LSD, AUG. 31, 1982.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1981	184.64	FEB. 12, 1982	185.74	MAY 12, 1982	186.90	JULY 30, 1982	187.71
DEC. 3	184.96	MAR. 22	186.38	JUNE 21	187.18	AUG. 31	188.74
JAN. 11, 1982	185.32						

CONCORDIA PARISH

313604091481901   LOCAL WELL NUMBER: CO-50

OWNER: MONTEREY WATER SYSTEM. (SEC. 12, T. 7N., R. 6E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 4 IN, DEPTH 700 FT, SCREENED 680-700. MP TOP OF HOLE IN PUMP BASE, 2.00 FT ABOVE LSD.
LSD 55.00 FT NGVD.
HIGHEST WATER LEVEL 4.01 BELOW LSD, AUG. 15, 1970.
LOWEST WATER LEVEL 42.40 BELOW LSD, MAY 25, 1982.
RECORDS AVAILABLE 1970, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 27, 1981	28.73	APR. 14, 1982	41.46A	JULY 12, 1982	42.27A	SEP. 23, 1982	41.94A
MAR. 3, 1982	27.57	MAY 25	42.40A	AUG. 17	41.75A		

See footnotes at end of table.

320731093561901 LOCAL WELL NUMBER: DS-177

OWNER: HOWARD DENNISON, (SEC. 7, T. 13N., R. 15W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 4 IN, DEPTH 350 FT, CASING SLOTTED 290-350. MP TOP OF CASING, 1.05 FT ABOVE LSD.
LSD 300.00 FT NGVD.
HIGHEST WATER LEVEL 36.13 BELOW LSD, MAY 27, 1962.
LOWEST WATER LEVEL 61.28 BELOW LSD, DEC. 19, 1979.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1981	60.58	MAR. 10, 1982	60.31	MAY 17, 1982	60.41	SEP. 30, 1982	60.57

321311093380501 LOCAL WELL NUMBER: DS-375

OWNER: U. S. GEOL. SURVEY, (SEC. 7, T. 14N., R. 12W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 94 FT, SCREENED 90-94. MP TOP OF CASING, 4.80 FT ABOVE LSD.
LSD 180.00 FT NGVD.
HIGHEST WATER LEVEL 41.70 BELOW LSD, APR. 25, 1975, JUNE 2, 1981.
LOWEST WATER LEVEL 43.79 BELOW LSD, DEC. 5, 1979.
RECORDS AVAILABLE 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1981	43.28	MAR. 2, 1982	43.36	JUNE 1, 1982	43.57	AUG. 31, 1982	43.68

315345093355801 LOCAL WELL NUMBER: DS-443

OWNER: U. S. GEOL. SURVEY, (SEC. 37, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 304 FT, SCREENED 294-304. MP TOP OF CASING, 3.20 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 61.22 BELOW LSD, MAY 27, 1980.
LOWEST WATER LEVEL 64.34 BELOW LSD, SEP. 29, 1982.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	63.64	MAR. 9, 1982	63.59	MAY 18, 1982	63.33	SEP. 29, 1982	64.34
DEC. 15	63.64						

315545093372601 LOCAL WELL NUMBER: DS-444

OWNER: U. S. GEOL. SURVEY, (SEC. 20, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 241 FT, SCREENED 231-241. MP TOP OF CASING, 3.45 FT ABOVE LSD.
LSD 305.00 FT NGVD.
HIGHEST WATER LEVEL 58.59 BELOW LSD, MAY 27, 1980.
LOWEST WATER LEVEL 61.11 BELOW LSD, SEP. 29, 1982.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	60.65	MAR. 9, 1982	60.14	MAY 18, 1982	59.58	AUG. 24, 1982	60.80
DEC. 15	60.66	APR. 22	59.75	JULY 14	60.40	SEP. 29	61.11
JAN. 25, 1982	60.59						

315521093343801 LOCAL WELL NUMBER: DS-445

OWNER: U. S. GEOL. SURVEY, (SEC. 22, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH .40 FT, SCREENED 130-140. MP TOP OF CASING, 3.60 FT ABOVE LSD.
LSD 305.00 FT NGVD.
HIGHEST WATER LEVEL 78.13 BELOW LSD, MAY 15, 1978.
LOWEST WATER LEVEL 82.30 BELOW LSD, SEP. 29, 1982.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	80.85	MAR. 9, 1982	80.10	AUG. 24, 1982	81.90	SEP. 29, 1982	82.30
DEC. 15	80.92	MAY 17	80.21				

DE SOTO PARISH

315629093352601 LOCAL WELL NUMBER: DS-446

OWNER: U. S. GEOL. SURVEY, (SEC. 15, T. 11N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 220 FT, SCREENED 210-220. MP TOP OF CASING, 3.85 FT ABOVE LSD.
LSD 340.00 FT NGVD.
HIGHEST WATER LEVEL 91.12 BELOW LSD, MAY 15, 1978,
LOWEST WATER LEVEL 93.72 BELOW LSD, AUG. 24, 1982.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	91.85	MAR. 9, 1982	92.40	AUG. 24, 1982	93.72	SEP. 29, 1982	93.15
DEC. 15	92.92	MAY 18	92.29				

315459093302001 LOCAL WELL NUMBER: DS-448

OWNER: U. S. GEOL. SURVEY, (SEC. 28, T. 11N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 230 FT, SCREENED 220-230. MP TOP OF CASING, 3.63 FT ABOVE LSD.
LSD 270.00 FT NGVD.
HIGHEST WATER LEVEL 124.22 BELOW LSD, MAY 30, 1979,
LOWEST WATER LEVEL 126.48 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	126.40	MAR. 9, 1982	126.04	MAY 17, 1982	125.46	AUG. 24, 1982	126.47
DEC. 15	126.41	APR. 22	125.93	JULY 12	126.08	SEP. 29	126.34
JAN. 25, 1982	126.30						

315318093274201 LOCAL WELL NUMBER: DS-449

OWNER: U. S. GEOL. SURVEY, (SEC. 2, T. 10N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 240 FT, SCREENED 230-240. MP TOP OF CASING, 3.25 FT ABOVE LSD.
LSD 230.00 FT NGVD.
HIGHEST WATER LEVEL 88.64 BELOW LSD, APR. 16, 1979,
LOWEST WATER LEVEL 92.44 BELOW LSD, DEC. 18, 1979.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	91.41	MAR. 9, 1982	90.47	MAY 17, 1982	89.89	AUG. 24, 1982	91.34
DEC. 15	91.42	APR. 22	90.00	JULY 12	91.01	SEP. 29	91.56
JAN. 25, 1982	91.14						

315509093320901 LOCAL WELL NUMBER: DS-450

OWNER: U. S. GEOL. SURVEY, (SEC. 19, T. 11N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 262 FT, SCREENED 252-262. MP TOP OF CASING, 4.10 FT ABOVE LSD.
LSD 290.00 FT NGVD.
HIGHEST WATER LEVEL 127.21 BELOW LSD, MAY 28, 1980,
LOWEST WATER LEVEL 129.55 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	129.04	MAR. 9, 1982	128.68	AUG. 24, 1982	128.92	SEP. 29, 1982	128.96
DEC. 15	128.97	MAY 17	128.18				

320059093363701 LOCAL WELL NUMBER: DS-461

OWNER: U. S. GEOL. SURVEY, (SEC. 21, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 60 FT, SCREENED 55-60. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 365.00 FT NGVD.
HIGHEST WATER LEVEL 41.03 BELOW LSD, MAY 27, 1980,
LOWEST WATER LEVEL 43.46 BELOW LSD, SEP. 29, 1982.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	43.16	MAR. 9, 1982	43.06	MAY 18, 1982	42.79	AUG. 24, 1982	43.32
DEC. 15	42.99	APR. 22	42.97	JULY 14	43.12	SEP. 29	43.46
JAN. 25, 1982	43.06						

320045093374601 LOCAL WELL NUMBER: DS-462

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 62 FT, SCREENED 57-62. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 330.00 FT NGVD.
HIGHEST WATER LEVEL 31.82 BELOW LSD, MAY 16, 1979.
LOWEST WATER LEVEL 37.94 BELOW LSD, JAN. 27, 1981, MAR. 11, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	37.22	MAR. 9, 1982	35.20	MAY 18, 1982	32.77	AUG. 24, 1982	35.50
DEC. 15	37.20	APR. 22	33.84	JULY 14	34.45	SEP. 29	36.46
JAN. 25, 1982	37.06						

320029093383701 LOCAL WELL NUMBER: DS-463

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 79 FT, SCREENED 74-79. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 345.00 FT NGVD.
HIGHEST WATER LEVEL 31.31 BELOW LSD, MAY 24, 1979.
LOWEST WATER LEVEL 41.64 BELOW LSD, SEP. 21, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	40.75	MAR. 9, 1982	38.93	MAY 18, 1982	33.32	AUG. 24, 1982	38.86
DEC. 15	40.83	APR. 22	37.55	JULY 14	37.92	SEP. 29	39.62
JAN. 25, 1982	40.65						

320000093383101 LOCAL WELL NUMBER: DS-464

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 87 FT, SCREENED 82-87. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 350.00 FT NGVD.
HIGHEST WATER LEVEL 15.73 BELOW LSD, APR. 22, 1980.
LOWEST WATER LEVEL 24.59 BELOW LSD, DEC. 15, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	24.14	MAR. 9, 1982	20.50	MAY 18, 1982	18.46	AUG. 23, 1982	22.84
DEC. 15	24.59	APR. 22	19.35	JULY 14	22.02	SEP. 29	23.35
JAN. 25, 1982	23.89						

315929093380301 LOCAL WELL NUMBER: DS-465

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 46 FT, SCREENED 41-46. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 310.00 FT NGVD.
HIGHEST WATER LEVEL 9.48 BELOW LSD, MAY 27, 1980.
LOWEST WATER LEVEL 13.44 BELOW LSD, MAR. 11, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	12.77	MAR. 9, 1982	12.40	MAY 18, 1982	11.20	AUG. 24, 1982	12.51
DEC. 15	12.76	APR. 22	11.68	JULY 14	11.76	SEP. 29	13.06
JAN. 25, 1982	12.98						

315902093371201 LOCAL WELL NUMBER: DS-466

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 80 FT, SCREENED 77-80. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 345.00 FT NGVD.
HIGHEST WATER LEVEL 42.00 BELOW LSD, MAY 27, 1980.
LOWEST WATER LEVEL 44.78 BELOW LSD, JAN. 25, 1982.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	44.45	MAR. 9, 1982	44.48	MAY 18, 1982	43.65	AUG. 24, 1982	43.37
DEC. 15	44.63	APR. 22	44.43	JULY 14	43.90	SEP. 29	44.52
JAN. 25, 1982	44.78						

DE SOTO PARISH

315836093363801 LOCAL WELL NUMBER: DS-467

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 12N., R. 12W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 87 FT, SCREENED 82-87. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 345.00 FT NGVD.
HIGHEST WATER LEVEL 42.52 BELOW LSD, MAY 27, 1980.
LOWEST WATER LEVEL 44.80 BELOW LSD, SEP. 29, 1982.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	44.63	MAR. 9, 1982	44.40	MAY 18, 1982	43.74	AUG. 23, 1982	44.55
DEC. 15	44.62	APR. 22	44.15	JULY 14	44.25	SEP. 29	44.80
JAN. 25, 1982	44.58						

315501093282901 LOCAL WELL NUMBER: DS-468

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 11N., R. 11W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 117 FT, SCREENED 114-117. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 145.00 FT NGVD.
HIGHEST WATER LEVEL 5.80 BELOW LSD, APR. 24, 1980.
LOWEST WATER LEVEL 9.83 BELOW LSD, SEP. 29, 1982.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	8.50	MAR. 9, 1982	6.72	MAY 17, 1982	6.74	AUG. 24, 1982	9.19
DEC. 15	8.41	APR. 22	6.41	JULY 12	8.69	SEP. 29	9.83
JAN. 25, 1982	7.90						

315557093252501 LOCAL WELL NUMBER: DS-475

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 11N., R. 10W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 62 FT, SCREENED 59-62. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 128.00 FT NGVD.
HIGHEST WATER LEVEL 10.02 BELOW LSD, MAY 6, 1982.
LOWEST WATER LEVEL 13.02 BELOW LSD, SEP. 29, 1982.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 6, 1982	10.02	JULY 12, 1982	11.42	AUG. 30, 1982	12.49	SEP. 29, 1982	13.02

315709093252501 LOCAL WELL NUMBER: DS-476

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 11N., R. 10W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 87 FT, SCREENED 84-87. MP TOP OF BUSHING, 3.00 FT ABOVE LSD.
LSD 130.00 FT NGVD.
HIGHEST WATER LEVEL 11.44 BELOW LSD, MAY 6, 1982.
LOWEST WATER LEVEL 14.68 BELOW LSD, SEP. 29, 1982.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 6, 1982	11.44	JULY 12, 1982	12.83	AUG. 24, 1982	14.02	SEP. 29, 1982	14.68

315801093265501 LOCAL WELL NUMBER: DS-478

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 11N., R. 11W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 55 FT, SCREENED 52-55. MP TOP OF BUSHING, AT LSD.
LSD 130.00 FT NGVD.
HIGHEST WATER LEVEL 11.51 BELOW LSD, MAY 6, 1982.
LOWEST WATER LEVEL 14.19 BELOW LSD, AUG. 30, 1982.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 22, 1982	11.88	MAY 6, 1982	11.51	AUG. 30, 1982	14.19	SEP. 29, 1982	13.92

320118093555601 LOCAL WELL NUMBER: DS-504

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 12N., R. 15W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 260 FT, SCREENED 250-260. MP TOP OF BUSHING: 5.00 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 68.23 BELOW LSD, MAY 28, 1980.
LOWEST WATER LEVEL 70.70 BELOW LSD, APR. 20, 1982.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1981	69.18	JAN. 26, 1982	69.41	APR. 20, 1982	70.70	JULY 13, 1982	69.51
DEC. 16	69.15	MAR. 10	69.72	MAY 17	69.93	SEP. 30	69.43

315818093575202 LOCAL WELL NUMBER: DS-506

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 11N., R. 16W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 56 FT, SCREENED 53-56. MP TOP OF BUSHING, 3.40 FT ABOVE LSD.
LSD 200.00 FT NGVD.
HIGHEST WATER LEVEL 14.08 BELOW LSD, APR. 23, 1980.
LOWEST WATER LEVEL 18.54 BELOW LSD, AUG. 25, 1981.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1981	18.33	MAR. 10, 1982	17.74	MAY 17, 1982	17.22	AUG. 23, 1982	18.51
DEC. 16	18.21	APR. 21	17.47	JULY 13	17.93	SEP. 30	18.18
JAN. 26, 1982	18.05						

315722093280501 LOCAL WELL NUMBER: DS-507

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 11N., R. 11W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 52 FT, SCREENED 49-52. MP TOP OF BUSHING, 3.20 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 11.88 BELOW LSD, MAY 29, 1980.
LOWEST WATER LEVEL 16.32 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	16.15	JAN. 25, 1982	15.75	APR. 22, 1982	14.77	JULY 12, 1982	15.81
DEC. 15	15.82	MAR. 9	15.15	MAY 17	14.67	SEP. 29	16.01

315558093270401 LOCAL WELL NUMBER: DS-508

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 11N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 89 FT, SCREENED 86-89. MP TOP OF BUSHING, 3.20 FT ABOVE LSD.
LSD 190.00 FT NGVD.
HIGHEST WATER LEVEL 49.52 BELOW LSD, MAY 29, 1980.
LOWEST WATER LEVEL 53.10 BELOW LSD, JAN. 25, 1982.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	52.70	MAR. 9, 1982	52.98	MAY 17, 1982	52.28	AUG. 24, 1982	53.02
DEC. 15	52.93	APR. 22	52.84	JULY 12	52.52	SEP. 29	52.88
JAN. 25, 1982	53.10						

315653093571302 LOCAL WELL NUMBER: DS-509

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 11N., R. 16W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 139 FT, SCREENED 136-139. MP TOP OF BUSHING, 3.20 FT ABOVE LSD.
LSD 205.00 FT NGVD.
HIGHEST WATER LEVEL 19.78 BELOW LSD, MAY 27, 1980.
LOWEST WATER LEVEL 22.90 BELOW LSD, DEC. 16, 1981.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1981	22.69	MAR. 10, 1982	21.49	MAY 18, 1982	20.86	AUG. 23, 1982	21.79
DEC. 16	22.90	APR. 21	20.93	JULY 13	21.43	SEP. 30	21.81
JAN. 26, 1982	21.90						

DE SOTO PARISH

320118093555602 LOCAL WELL NUMBER: DS-510

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 12N., R. 15W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 170 FT, SCREENED 167-170. MP TOP OF BUSHING, 4.30 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 44.42 BELOW LSD, JULY 1, 1980,
LOWEST WATER LEVEL 45.99 BELOW LSD, MAR. 10, 1982.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1981	45.57	JAN. 26, 1982	45.78	APR. 20, 1982	45.68	JULY 13, 1982	45.60
DEC. 16	45.78	MAR. 10	45.99	MAY 17	45.50	SEP. 30	45.54

315113093302501 LOCAL WELL NUMBER: DS-511

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 10N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 350 FT, SCREENED 340-350. MP TOP OF BUSHING, AT LSD.
LSD 330.00 FT NGVD.
HIGHEST WATER LEVEL 140.05 BELOW LSD, JULY 22, 1981,
LOWEST WATER LEVEL 143.00 BELOW LSD, AUG. 24, 1981.
RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 22, 1981	140.05	NOV. 3, 1981	142.65	MAR. 9, 1982	142.53	JULY 12, 1982	142.30
AUG. 24	143.00	DEC. 15	142.51	APR. 22	142.15	AUG. 26	142.39
SEP. 21	142.77	JAN. 25, 1982	142.55	MAY 17	142.20	SEP. 30	142.52

EAST CARROLL PARISH

324040091110801 LOCAL WELL NUMBER: EC-55

OWNER: ELTON FORTENBERRY. (SEC. 38, T. 20N., R. 12E.) DRILLED IRRIGATION SEMI-ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 114 FT, SCREENED 74-114. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 97.00 FT NGVD.
HIGHEST WATER LEVEL 0.26 BELOW LSD, MAY 16, 1973,
LOWEST WATER LEVEL 29.63 BELOW LSD, JUNE 22, 1964.
RECORDS AVAILABLE 1955, 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1981	23.34	MAR. 24, 1982	21.18	JUNE 14, 1982	16.94	SEP. 4, 1982	17.84

325100091132401 LOCAL WELL NUMBER: EC-89

OWNER: U. S. GEOL. SURVEY. (SEC. 41, T. 22N., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 TO 2 IN, DEPTH 335 FT, SCREENED 330-335. MP TOP OF CASING, 0.72 FT ABOVE LSD.
LSD 106.05 FT NGVD.
HIGHEST WATER LEVEL 13.53 BELOW LSD, MAY 14, 1958,
LOWEST WATER LEVEL 23.55 BELOW LSD, SEP. 3, 1980.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1981	20.64	MAR. 24, 1982	18.26	JUNE 22, 1982	21.58	SEP. 9, 1982	20.26

325100091132402 LOCAL WELL NUMBER: EC-90

OWNER: U. S. GEOL. SURVEY. (SEC. 41, T. 22N., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 88 FT, SCREENED 83-88. MP TOP OF CASING, 0.75 FT ABOVE LSD.
LSD 106.05 FT NGVD.
HIGHEST WATER LEVEL 13.31 BELOW LSD, MAR. 22, 1973,
LOWEST WATER LEVEL 23.79 BELOW LSD, AUG. 18, 1981.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1981	22.82	MAR. 24, 1982	20.80	JUNE 14, 1982	22.08	SEP. 9, 1982	22.85

EVANGELINE PARISH

304120092263001 LOCAL WELL NUMBER: EV-229

OWNER: CHESTLEY FONTENOT. (SEC. 25, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 12 IN, DEPTH 231 FT, SCREENED 149-231. MP FLOOR OF SHELTER HOUSE, 0.85 FT ABOVE LSD.
LSD 65.66 FT NGVD.
HIGHEST WATER LEVEL 45.52 BELOW LSD, APR. 18, 1951,
LOWEST WATER LEVEL 108.60 BELOW LSD, JUNE 10, 1982.
RECORDS AVAILABLE 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1981	88.74H	JAN. 10, 1982	84.30	APR. 10, 1982	91.41	JULY 10, 1982	104.29
OCT. 10	88.19	JAN. 15	83.88	APR. 15	91.80	JULY 15	100.65
OCT. 15	87.89	JAN. 20	83.78	APR. 19	94.69H	JULY 20	98.69
OCT. 20	87.69H	JAN. 22	83.64H	APR. 20	94.62	JULY 23	97.77H
OCT. 25	87.03	JAN. 25	83.60	APR. 25	89.53	JULY 25	97.03
OCT. 31	86.97	JAN. 31	83.40	APR. 30	90.20	JULY 31	96.12
NOV. 5	87.56	FEB. 5	83.38	MAY 5	93.62	AUG. 5	94.33
NOV. 10	87.12	FEB. 10	83.21	MAY 10	97.99	AUG. 10	93.15
NOV. 15	86.60	FEB. 15	83.19	MAY 15	102.91	AUG. 15	92.24
NOV. 16	86.43H	FEB. 20	82.80	MAY 20	99.77H	AUG. 20	94.22
NOV. 20	86.50	FEB. 25	82.84	MAY 25	101.52	AUG. 25	97.84
NOV. 25	86.21	FEB. 28	82.79	MAY 31	100.20	AUG. 26	98.59H
NOV. 30	85.90E	MAR. 1	82.78H	JUNE 5	106.74	AUG. 31	98.40
DEC. 5	85.69E	MAR. 5	83.00	JUNE 10	108.60	SEP. 5	97.07
DEC. 10	85.50E	MAR. 10	82.87	JUNE 15	107.80	SEP. 10	97.92
DEC. 15	85.42E	MAR. 15	84.42	JUNE 20	104.16	SEP. 15	95.61
DEC. 18	85.21H	MAR. 20	85.39	JUNE 24	102.03H	SEP. 20	93.80
DEC. 20	85.14	MAR. 23	86.67H	JUNE 25	101.92	SEP. 22	93.48H
DEC. 25	84.78	MAR. 25	89.17	JUNE 30	100.16	SEP. 25	92.75
DEC. 31	84.30	MAR. 31	95.14	JULY 5	99.02	SEP. 30	92.17
JAN. 5, 1982	84.34	APR. 5	96.43				

GRANT PARISH

312703092224801 LOCAL WELL NUMBER: G-1278

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 6N., R. 1E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 97 FT, SCREENED 93-97. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 231.75 FT NGVD.
HIGHEST WATER LEVEL 66.31 BELOW LSD, JULY 23, 1980,
LOWEST WATER LEVEL 72.43 BELOW LSD, JAN. 25, 1972.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1981	68.98	MAR. 1, 1982	69.67	APR. 29, 1982	69.88	AUG. 2, 1982	70.05
NOV. 30	68.83	MAR. 8	69.78	MAY 28	70.12	AUG. 30	70.48
DEC. 29	68.47	MAR. 31	69.90	JUNE 28	70.16	SEP. 30	70.60
FEB. 1, 1982	68.29						

313119092254001 LOCAL WELL NUMBER: G-262

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 6N., R. 1W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/2 IN, DEPTH 65 FT, SCREENED 62-65. MP TOP OF CASING, 3.30 FT ABOVE LSD.
LSD 178.73 FT NGVD.
HIGHEST WATER LEVEL 35.55 BELOW LSD, APR. 30, 1974,
LOWEST WATER LEVEL 45.15 BELOW LSD, DEC. 23, 1977.
RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1981	41.93	MAR. 4, 1982	42.75	MAY 17, 1982	43.11	SEP. 15, 1982	44.05

314200092465101 LOCAL WELL NUMBER: G-305

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 8N., R. 4W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 40 FT, SCREENED 37-40. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 10.65 BELOW LSD, JAN. 30, 1974,
LOWEST WATER LEVEL 20.85 BELOW LSD, MAR. 3, 1982.
RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1981	20.72	MAR. 3, 1982	20.85	MAY 20, 1982	19.32	SEP. 16, 1982	20.53

GRANT PARISH

313156092324101   LOCAL WELL NUMBER: G-314

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 7N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 99 FT, SCREENED 96-99. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 245.00 FT NGVD.
HIGHEST WATER LEVEL 47.65 BELOW LSD, JULY 7, 1975.
LOWEST WATER LEVEL 59.62 BELOW LSD, NOV. 15, 1971.
RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 16, 1981	57.70	MAR. 4, 1982	58.51	MAY 20, 1982	59.18	SEP. 16, 1982	59.35

JACKSON PARISH

321709092452401   LOCAL WELL NUMBER: JA-49

OWNER: CONTINENTAL CAN CO. (SEC. 15, T. 15N., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 TO 8 IN, DEPTH 570 FT, SCREENED 542-570. MP TOP OF RECORDER SHELTER SHELF, 2.33 FT ABOVE LSD.
LSD 160.00 FT NGVD.
HIGHEST WATER LEVEL 114.16 BELOW LSD, JAN. 2, 1961.
LOWEST WATER LEVEL 193.86 BELOW LSD, OCT. 1, 1967.
RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1981	154.95	JAN. 10, 1982	139.50	MAR. 31, 1982	134.70	JUNE 20, 1982	136.00
OCT. 10	155.50	JAN. 15	138.20	APR. 5	135.70	JUNE 25	137.20
OCT. 15	155.65	JAN. 20	150.50	APR. 10	135.30	JUNE 30	135.90
OCT. 20	156.00	JAN. 25	152.80J	APR. 15	142.40	JULY 4	135.50J
OCT. 23	154.45H	JAN. 31	141.60	APR. 20	146.20	JULY 5	141.60
OCT. 25	156.30	FEB. 5	138.80	APR. 25	147.40	JULY 10	143.05
OCT. 29	156.90J	FEB. 10	137.80	APR. 30	148.50	JULY 15	137.10
OCT. 31	154.15	FEB. 15	136.90	MAY 5	148.50	JULY 20	143.10
NOV. 5	152.45	FEB. 20	136.10	MAY 10	148.50	JULY 25	147.70
NOV. 10	152.10	FEB. 22	135.22H	MAY 15	148.50	JULY 31	149.00
NOV. 15	151.50	FEB. 25	135.10	MAY 20	139.00	AUG. 5	145.40
NOV. 20	151.05	FEB. 28	135.00	MAY 25	136.60	AUG. 10	149.80
NOV. 25	155.50	MAR. 5	135.00	MAY 31	138.50	AUG. 15	150.30
NOV. 30	156.30	MAR. 10	135.00	JUNE 2	137.06H	AUG. 20	147.40
DEC. 5	156.90	MAR. 15	135.00	JUNE 5	140.50	AUG. 25	150.20
DEC. 10	152.30	MAR. 20	134.90	JUNE 10	140.30	AUG. 26	149.48H
DEC. 14	148.46H	MAR. 25	134.60	JUNE 15	137.10	AUG. 31	140.80
JAN. 5, 1982	142.50						

321128092440801   LOCAL WELL NUMBER: JA-127

OWNER: CONTINENTAL CAN CO. (SEC. 13, T. 14N., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 IN, DEPTH 367 FT, SCREENED 357-367. MP TOP OF CASING, 1.80 FT ABOVE LSD.
LSD 242.15 FT NGVD.
HIGHEST WATER LEVEL 152.05 BELOW LSD, JULY 13, 1966.
LOWEST WATER LEVEL 162.67 BELOW LSD, JULY 25, 1973.
RECORDS AVAILABLE 1966, 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 2, 1981	156.84	MAR. 8, 1982	158.02	JUNE 3, 1982	157.68	SEP. 1, 1982	158.28

322357092341701   LOCAL WELL NUMBER: JA-147

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 16N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 703 FT, SCREENED 693-703. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 209.06 BELOW LSD, MAY 14, 1975.
LOWEST WATER LEVEL 226.44 BELOW LSD, SEP. 1, 1982.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1981	222.92	JAN. 11, 1982	225.50	MAY 13, 1982	225.18	AUG. 3, 1982	225.72
NOV. 4	223.75	FEB. 24	225.25	JUNE 21	225.47	SEP. 1	226.44
DEC. 2	224.82	APR. 3	225.39				

See footnotes at end of table.

JACKSON PARISH

321338092345801 LOCAL WELL NUMBER: JA-148

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 14N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 578 FT, SCREENED 568-578. MP TOP OF BUSHING, 3.30 FT ABOVE LSD.
LSD 245.00 FT NGVD.
HIGHEST WATER LEVEL 206.58 BELOW LSD, APR. 7, 1976,
LOWEST WATER LEVEL 212.25 BELOW LSD, SEP. 1, 1982.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1982	211.57	SEP. 1, 1982	212.25				

322433092412101 LOCAL WELL NUMBER: JA-149

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 16N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 478 FT, SCREENED 468-478. MP TOP OF CASING, 3.20 FT ABOVE LSD.
LSD 195.00 FT NGVD.
HIGHEST WATER LEVEL 154.78 BELOW LSD, MAY 13, 1975,
LOWEST WATER LEVEL 169.29 BELOW LSD, AUG. 3, 1982.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1981	167.47	JAN. 11, 1982	168.98	MAY 13, 1982	168.77	AUG. 3, 1982	169.29
NOV. 4	168.63	FEB. 24	168.80	JUNE 21	169.02	SEP. 1	168.90
DEC. 2	168.76	APR. 3	168.84				

321730092373701 LOCAL WELL NUMBER: JA-156

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 15N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 629 FT, SCREENED 619-629. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 290.00 FT NGVD.
HIGHEST WATER LEVEL 250.90 BELOW LSD, MAY 19, 1980,
LOWEST WATER LEVEL 255.41 BELOW LSD, SEP. 1, 1982.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13, 1981	253.98	JAN. 11, 1982	254.98	APR. 3, 1982	254.39	AUG. 2, 1982	254.45
NOV. 4	254.77	FEB. 24	254.99	JUNE 21	254.71	SEP. 1	255.41
DEC. 2	253.79						

LA SALLE PARISH

314153092075201 LOCAL WELL NUMBER: LA-157

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 8N., R. 3E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/2 IN, DEPTH 88 FT, SCREENED 85-88. MP TOP OF CASING, 3.50 FT ABOVE LSD.
LSD 211.90 FT NGVD.
HIGHEST WATER LEVEL 53.33 BELOW LSD, JUNE 29, 1976,
LOWEST WATER LEVEL 59.70 BELOW LSD, SEP. 15, 1982.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 22, 1981	58.68	MAR. 5, 1982	58.79	MAY 18, 1982	58.99	SEP. 15, 1982	59.70

313610092052601 LOCAL WELL NUMBER: LA-215

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 88 FT, SCREENED 83-88. MP TOP OF CASING, 2.50 FT ABOVE LSD.
LSD 85.00 FT NGVD.
HIGHEST WATER LEVEL 45.59 BELOW LSD, JULY 16, 1975,
LOWEST WATER LEVEL 58.95 BELOW LSD, SEP. 15, 1982.
RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 22, 1981	57.12	MAR. 5, 1982	56.13	MAY 18, 1982	54.52	SEP. 15, 1982	58.95

LA SALLE PARISH

313610092052602 LOCAL WELL NUMBER: LA-217

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 60 FT, SCREENED 57-60. MP TOP OF CASING, 2.20 FT ABOVE LSD.
LSD 85.00 FT NGVD.
HIGHEST WATER LEVEL 37.23 BELOW LSD, JULY 16, 1975.
LOWEST WATER LEVEL 49.33 BELOW LSD, FEB. 21, 1973.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 22, 1981	42.49	MAR. 5, 1982	42.45	MAY 18, 1982	41.89	SEP. 15, 1982	42.10

313610092052603 LOCAL WELL NUMBER: LA-218

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 7N., R. 4E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 74 FT, SCREENED 71-74. MP TOP OF CASING, 2.20 FT ABOVE LSD.
LSD 85.00 FT NGVD.
HIGHEST WATER LEVEL 45.68 BELOW LSD, JULY 16, 1975.
LOWEST WATER LEVEL 57.22 BELOW LSD, DEC. 22, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 22, 1981	57.22	MAR. 5, 1982	56.17	MAY 18, 1982	54.58	SEP. 15, 1982	51.90

314500092171004 LOCAL WELL NUMBER: LA-2520

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 9N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND OF MIOCENE AGE, DIAM 4 IN, DEPTH 1388 FT, SCREENED 1378-1388. MP TOP OF BUSHING, 4.70 FT ABOVE LSD.
LSD 195.00 FT NGVD.
HIGHEST WATER LEVEL 35.96 BELOW LSD, JUNE 2, 1980.
LOWEST WATER LEVEL 39.22 BELOW LSD, SEP. 15, 1982.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1981	38.87	MAR. 4, 1982	38.76	MAY 18, 1982	39.10	SEP. 15, 1982	39.22

LINCOLN PARISH

323132092385901 LOCAL WELL NUMBER: L-25

OWNER: LA. TECH UNIVERSITY. (SEC. 23, T. 18N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN, DEPTH 680 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1-IN COLLAR, 0.80 FT ABOVE LSD.
LSD 300.00 FT NGVD.
HIGHEST WATER LEVEL 250.25 BELOW LSD, AUG. 8, 1961.
LOWEST WATER LEVEL 336.48 BELOW LSD, NOV. 9, 1981.
RECORDS AVAILABLE 1961, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 14, 1981	335.59	DEC. 7, 1981	314.95	MAY 28, 1982	326.23	JULY 29, 1982	336.06
OCT. 15	335.89	JAN. 18, 1982	326.72	JUNE 21	327.27	AUG. 30	336.00
NOV. 9	336.48						

324141092390501 LOCAL WELL NUMBER: L-26

OWNER: TOWN OF DUBACH. (SEC. 26, T. 20N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 10 TO 6 IN, DEPTH 686 FT, SCREENED 633-686. MP TOP OF 3/4-IN HOLE IN PLATE, 2.00 FT ABOVE LSD.
LSD 155.00 FT NGVD.
HIGHEST WATER LEVEL 95.20 BELOW LSD, APR. 22, 1950.
LOWEST WATER LEVEL 160.25 BELOW LSD, AUG. 30, 1982.
RECORDS AVAILABLE 1950, 1962, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1982	159.99	AUG. 30, 1982	160.25				

323458092275101 LOCAL WELL NUMBER: L-68

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 18N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE
SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 770 FT, SCREENED 760-770. MP TOP OF 2 X 3/4-IN BUSHING,
5.14 FT ABOVE LSD.
LSD 180.00 FT NGVD.
HIGHEST WATER LEVEL 185.04 BELOW LSD, MAR. 2, 1970,
LOWEST WATER LEVEL 219.88 BELOW LSD, MAR. 9, 1982.
RECORDS AVAILABLE 1968-71, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1982	219.88	AUG. 30, 1982	217.07				

323013092482001 LOCAL WELL NUMBER: L-113

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 18N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE
SPARTA SAND OF EOCENE AGE, DIAM 4 IN, DEPTH 750 FT, SCREENED 740-750. MP TOP OF CASING, 1.30 FT
ABOVE LSD.
LSD 355.00 FT NGVD.
HIGHEST WATER LEVEL 266.50 BELOW LSD, AUG. 11, 1969,
LOWEST WATER LEVEL 300.42 BELOW LSD, AUG. 21, 1981.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 20, 1982	298.78	AUG. 30, 1982	297.83				

323105092374802 LOCAL WELL NUMBER: L-123

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 18N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE
COOK MOUNTAIN FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 180 FT, SCREENED 170-180. MP TOP OF CASING, 3.00
FT ABOVE LSD.
LSD 330.00 FT NGVD.
HIGHEST WATER LEVEL 126.97 BELOW LSD, SEP. 4, 1974,
LOWEST WATER LEVEL 129.55 BELOW LSD, OCT. 7, 1970.
RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 30, 1982	128.00						

324018092482201 LOCAL WELL NUMBER: L-153

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 19N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE
SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 535 FT, SCREENED 525-535. MP TOP OF BUSHING, 3.50 FT
ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 212.99 BELOW LSD, JAN. 29, 1979,
LOWEST WATER LEVEL 224.95 BELOW LSD, AUG. 30, 1982.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1981	221.48	JAN. 18, 1982	222.80	MAY 10, 1982	223.68	JULY 27, 1982	224.15
NOV. 2	222.18	MAR. 1	222.01	JUNE 21	224.02	AUG. 30	224.95
DEC. 7	222.60	APR. 19	222.01				

324626091543901 LOCAL WELL NUMBER: MO-5

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 10 IN, DEPTH 860 FT, SCREENED INTERVAL UNKNOWN. MP FLOOR OF RECORDER SHELTER, 1.60 FT ABOVE LSD.
LSD 117.44 FT NGVD.
HIGHEST WATER LEVEL 143.85 BELOW LSD, DEC. 22, 1958.
LOWEST WATER LEVEL 219.40 BELOW LSD, SEP. 30, 1975.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1981	198.27H	DEC. 31, 1981	181.95	APR. 5, 1982	158.90	JULY 20, 1982	157.95
OCT. 10	195.73	JAN. 5, 1982	184.22	APR. 10	158.25	JULY 22	156.07J
OCT. 15	196.68	JAN. 9	185.31J	APR. 11	160.64J	JULY 25	159.73
OCT. 16	199.85J	JAN. 10	178.68	APR. 15	158.51J	JULY 26	161.18J
OCT. 20	196.08	JAN. 15	172.32	APR. 20	156.04	JULY 30	158.23H
OCT. 25	195.30	JAN. 20	169.77	APR. 25	156.89	JULY 31	157.71
OCT. 30	194.76	JAN. 21	168.36H	MAY 25	156.65H	AUG. 1	157.37J
NOV. 5	192.73	JAN. 25	166.16	MAY 31	160.77	AUG. 5	158.36
NOV. 9	189.14J	JAN. 31	164.69	JUNE 3	156.10J	AUG. 10	160.42
NOV. 10	194.91	FEB. 5	164.05	JUNE 5	161.34	AUG. 15	158.20
NOV. 12	192.49H	FEB. 10	166.64	JUNE 10	161.32	AUG. 20	160.79
NOV. 15	191.89	FEB. 15	162.82	JUNE 15	157.57	AUG. 25	159.94
NOV. 20	192.08	FEB. 20	162.08	JUNE 18	162.65J	AUG. 31	165.79J
NOV. 25	192.29	FEB. 23	161.53H	JUNE 20	158.62	SEP. 1	162.96H
NOV. 30	191.76	FEB. 25	161.60J	JUNE 25	157.37	SEP. 5	166.31
DEC. 5	191.33	FEB. 28	160.84	JUNE 27	161.80J	SEP. 10	167.74
DEC. 8	194.52J	MAR. 5	160.06	JUNE 30	157.21	SEP. 14	169.05J
DEC. 10	193.04	MAR. 10	160.31	JULY 3	155.13J	SEP. 15	164.78
DEC. 14	167.66H	MAR. 15	160.06	JULY 5	155.17	SEP. 20	163.66
DEC. 15	166.31	MAR. 20	160.06	JULY 10	155.53	SEP. 25	165.63
DEC. 20	171.53	MAR. 25	159.55H	JULY 13	156.98H	SEP. 26	160.45J
DEC. 27	161.37J	MAR. 31	159.20	JULY 15	157.02	SEP. 30	165.44

324704091543801 LOCAL WELL NUMBER: MO-15

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 26 TO 16 IN, DEPTH 105 FT, SCREENED 67-105. MP TOP OF STEEL BASE PLATE, 1.00 FT ABOVE LSD.
LSD 143.72 FT NGVD.
HIGHEST WATER LEVEL 74.83 BELOW LSD, APR. 29, 1953.
LOWEST WATER LEVEL 99.55 BELOW LSD, DEC. 17, 1974.
RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 25, 1982	89.19	SEP. 2, 1982	90.12				

323806091530401 LOCAL WELL NUMBER: MO-67

OWNER: D. W. PIPES. (SEC. 17, T. 19N., R. 6E.) DRILLED UNUSED WATER-TABLE WELL IN THE ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN, DEPTH 81 FT, SCREENED 71-81. MP TOP OF CASING, 7.90 FT ABOVE LSD.
LSD 73.51 FT NGVD.
HIGHEST WATER LEVEL 1.59 BELOW LSD, DEC. 19, 1961.
LOWEST WATER LEVEL 23.88 BELOW LSD, SEP. 1, 1982.
RECORDS AVAILABLE 1953-77, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1982	23.88						

325925091513001 LOCAL WELL NUMBER: MO-283

OWNER: GEORGIA-PACIFIC CORP. (SEC. 9, T. 23N., R. 6E.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 1/2 IN, DEPTH 135 FT, SCREENED 125-135. MP 1-IN HOLE IN TOP OF WELL CAP, 3.90 FT ABOVE LSD.
LSD 163.26 FT NGVD.
HIGHEST WATER LEVEL 71.39 BELOW LSD, FEB. 23, 1961.
LOWEST WATER LEVEL 74.85 BELOW LSD, SEP. 1, 1982.
RECORDS AVAILABLE 1960-63, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1982	74.85						

See footnotes at end of table.

324753091471202 LOCAL WELL NUMBER: MO-343

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 21N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 176 FT, SCREENED 166-176. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 88.41 FT NGVD.
HIGHEST WATER LEVEL 0.50 BELOW LSD, MAY 13, 1975,
LOWEST WATER LEVEL 13.79 BELOW LSD, AUG. 26, 1981.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1982	12.46						

325810091384001 LOCAL WELL NUMBER: MO-344

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 23N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 258 FT, SCREENED 248-258. MP TOP OF CASING, 0.60 FT ABOVE LSD (SINCE 9/1/82).
LSD 106.35 FT NGVD.
HIGHEST WATER LEVEL 14.96 BELOW LSD, APR. 30, 1969,
LOWEST WATER LEVEL 38.05 BELOW LSD, SEP. 1, 1982.
RECORDS AVAILABLE 1968-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1982	38.05						

325526091530501 LOCAL WELL NUMBER: MO-345

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 22N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 786 FT, SCREENED 776-786. MP TOP OF CASING, 0.20 FT ABOVE LSD (SINCE 9/1/82).
LSD 113.65 FT NGVD.
HIGHEST WATER LEVEL 100.76 BELOW LSD, JULY 16, 1968,
LOWEST WATER LEVEL 113.19 BELOW LSD, AUG. 20, 1981.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1982	107.08						

325810091384002 LOCAL WELL NUMBER: MO-346

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 23N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 167 FT, SCREENED 157-167. MP TOP OF CASING, 3.60 FT ABOVE LSD.
LSD 106.57 FT NGVD.
HIGHEST WATER LEVEL 15.47 BELOW LSD, APR. 30, 1969,
LOWEST WATER LEVEL 30.74 BELOW LSD, AUG. 22, 1972.
RECORDS AVAILABLE 1968-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1982	27.68						

324352091531001 LOCAL WELL NUMBER: MO-347

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 833 FT, SCREENED 823-833. MP TOP OF CASING, 0.67 FT ABOVE LSD (SINCE 9/1/82).
LSD 142.27 FT NGVD.
HIGHEST WATER LEVEL 181.30 BELOW LSD, MAY 13, 1975,
LOWEST WATER LEVEL 193.69 BELOW LSD, SEP. 2, 1980.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1982	190.23						

MOREHOUSE PARISH

325518091403001 LOCAL WELL NUMBER: MO-348

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 22N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 311 FT, SCREENED 291-311. MP TOP OF CASING, 4.20 FT ABOVE LSD.
LSD 98.88 FT NGVD.
HIGHEST WATER LEVEL 9.63 BELOW LSD, MAR. 26, 1969.
LOWEST WATER LEVEL 18.46 BELOW LSD, SEP. 1, 1982.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1982	18.46						

324352091531002 LOCAL WELL NUMBER: MO-349

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 217 FT, SCREENED 197-217. MP TOP OF BUSHING, 3.93 FT ABOVE LSD.
LSD 142.46 FT NGVD.
HIGHEST WATER LEVEL 67.45 BELOW LSD, JULY 10, 1969.
LOWEST WATER LEVEL 71.09 BELOW LSD, SEP. 8, 1975.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1982	70.96						

325707091574701 LOCAL WELL NUMBER: MO-350

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 23N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 740 FT, SCREENED 730-740. MP TOP OF CASING, AT LSD (SINCE 9/1/82).
LSD 112.08 FT NGVD.
HIGHEST WATER LEVEL 95.50 BELOW LSD, MAR. 10, 1969.
LOWEST WATER LEVEL 108.90 BELOW LSD, AUG. 20, 1981.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1982	103.40						

324352091531003 LOCAL WELL NUMBER: MO-351

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 20N., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COOK MOUNTAIN FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 312 FT, SCREENED 292-312. MP TOP OF BUSHING, 3.71 FT ABOVE LSD.
LSD 142.23 FT NGVD.
HIGHEST WATER LEVEL 67.18 BELOW LSD, SEP. 6, 1977.
LOWEST WATER LEVEL 74.27 BELOW LSD, SEP. 1, 1982.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1982	74.27						

NATCHITOCHES PARISH

313918093023101 LOCAL WELL NUMBER: NA-284

OWNER: U. S. GEOL. SURVEY. (SEC. 42, T. 8N., R. 7W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 72 FT, SCREENED 69-72. MP TOP OF CASING, 1.60 FT ABOVE LSD.
LSD 102.59 FT NGVD.
HIGHEST WATER LEVEL 0.36 ABOVE LSD, AUG. 22, 1969.
LOWEST WATER LEVEL 13.71 BELOW LSD, OCT. 1, 1956.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1981	11.83	JAN. 25, 1982	11.32	APR. 14, 1982	9.56	JULY 7, 1982	10.97
NOV. 18	11.86	FEB. 8	11.06	MAY 3	7.85	AUG. 11	10.10
DEC. 9	11.93	MAR. 11	9.54	JUNE 3	9.68	SEP. 8	11.93

NATCHITOCHES PARISH

320116093044902 LOCAL WELL NUMBER: NA-479

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 12N., R. 7W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 1 1/4 IN, DEPTH 106 FT, SCREENED 103-106. MP TOP OF BUSHING, 3.00 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 57.46 BELOW LSD, MAY 15, 1980.
LOWEST WATER LEVEL 59.49 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1981	58.81	JAN. 19, 1982	58.98	MAY 12, 1982	58.69	JULY 27, 1982	58.88
NOV. 9	58.90	FEB. 23	58.90	JUNE 22	58.82	SEP. 1	59.11
DEC. 1	58.91	APR. 14	58.80				

315221093242901 LOCAL WELL NUMBER: NA-491

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 10N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 493 FT, SCREENED 483-493. MP TOP OF BUSHING, AT LSD.
LSD 250.00 FT NGVD.
HIGHEST WATER LEVEL 99.34 BELOW LSD, MAY 6, 1982.
LOWEST WATER LEVEL 99.91 BELOW LSD, AUG. 26, 1982.
RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 24, 1981	99.72	DEC. 15, 1981	99.58	MAY 6, 1982	99.34	AUG. 26, 1982	99.91
SEP. 21	99.68	JAN. 25, 1982	99.60	MAY 17	99.39	SEP. 29	99.77
NOV. 3	99.67	MAR. 9	99.43	JULY 12	99.75		

315221093242902 LOCAL WELL NUMBER: NA-495

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 10N., R. 10W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 168 FT, SCREENED 163-168. MP TOP OF BUSHING, AT LSD.
LSD 250.00 FT NGVD.
HIGHEST WATER LEVEL 100.98 BELOW LSD, MAY 17, 1982.
LOWEST WATER LEVEL 101.90 BELOW LSD, APR. 22, 1982.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 22, 1982	101.90	MAY 17, 1982	100.98	AUG. 26, 1982	101.30	SEP. 29, 1982	101.64
MAY 6	101.00	JULY 12	101.46				

OUACHITA PARISH

323837092021702 LOCAL WELL NUMBER: OU-24

OWNER: SOUTHERN CARBON CO. (SEC. 37, T. 19N., R. 4E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 IN, DEPTH 688 FT, SCREENED 540-688. MP TOP INSIDE EDGE OF 1/2-IN NIPPLE, 5.27 FT ABOVE LSD.
LSD 85.00 FT NGVD.
HIGHEST WATER LEVEL 119.70 BELOW LSD, MAR. 17, 1964.
LOWEST WATER LEVEL 136.41 BELOW LSD, MAR. 4, 1981.
RECORDS AVAILABLE 1964-70, 1970-78, 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 25, 1982	135.45	SEP. 9, 1982	136.14				

OUACHITA PARISH

322901092091501 LOCAL WELL NUMBER: OU-77

OWNER: MANVILLE FOREST PRODUCTS. (SEC. 3, T. 17N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 16 IN, DEPTH 851 FT, SCREENED INTERVAL UNKNOWN. MP FLOOR OF RECORDER SHELTER, 2.40 FT ABOVE LSD.
LSD 75.90 FT NGVD.
HIGHEST WATER LEVEL 168.82 BELOW LSD, JULY 7, 1952.
LOWEST WATER LEVEL 276.75 BELOW LSD, AUG. 28, 1978.
RECORDS AVAILABLE 1946-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1981	265.72H	JAN. 5, 1982	240.83	APR. 3, 1982	232.17J	JULY 15, 1982	258.33
OCT. 4	271.26J	JAN. 10	242.65	APR. 5	265.42	JULY 16	261.45J
OCT. 5	266.59	JAN. 19	254.45H	APR. 10	237.48	JULY 20	257.25
OCT. 7	248.33J	JAN. 20	260.70	APR. 15	256.68	JULY 25	257.86
OCT. 10	264.78	JAN. 25	258.22	APR. 20	264.41	JULY 28	243.34J
OCT. 15	257.43	JAN. 31	254.26	APR. 25	267.04J	JULY 30	259.36H
OCT. 20	261.69	FEB. 2	250.25J	APR. 30	259.45	JULY 31	259.28
OCT. 25	267.63	FEB. 5	254.53	MAY 5	256.21	AUG. 3	255.51J
OCT. 30	262.65	FEB. 10	258.87	MAY 10	264.34	AUG. 5	261.93
NOV. 5	258.67	FEB. 15	260.35	MAY 15	262.97	AUG. 10	258.57
NOV. 9	253.68H	FEB. 20	262.18	MAY 20	258.48	AUG. 13	265.48J
NOV. 10	255.01	FEB. 21	263.90J	MAY 21	253.92H	AUG. 15	260.99
NOV. 15	259.88	FEB. 24	258.28H	MAY 25	254.94	AUG. 20	259.59
NOV. 20	262.00	FEB. 25	258.50	MAY 31	257.18	AUG. 25	260.21
NOV. 25	261.42	FEB. 27	264.00J	JUNE 5	252.16	AUG. 30	261.68H
NOV. 30	260.02	FEB. 28	260.55	JUNE 10	263.87	AUG. 31	265.57
DEC. 1	265.51H	MAR. 5	256.52	JUNE 11	265.27J	SEP. 2	267.22J
DEC. 5	256.37	MAR. 10	254.29	JUNE 14	247.86	SEP. 5	259.69
DEC. 10	256.82	MAR. 15	255.54	JUNE 15	250.10H	SEP. 8	242.67J
DEC. 15	254.40	MAR. 17	243.94J	JUNE 20	254.63	SEP. 10	246.29
DEC. 20	237.58	MAR. 20	260.10	JUNE 25	252.60	SEP. 15	259.14
DEC. 25	233.77	MAR. 23	250.17H	JUNE 30	243.94	SEP. 20	258.96
DEC. 31	231.16	MAR. 25	249.64	JULY 5	250.77	SEP. 25	260.18
JAN. 4, 1982	223.39J	MAR. 31	224.93	JULY 10	257.32	SEP. 30	260.26

322649092063101 LOCAL WELL NUMBER: OU-88

OWNER: FRED PETERS. (SEC. 24, T. 17N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 6 TO 4 IN, DEPTH 401 FT, SCREENED 335-401. MP TOP OF CASING, 2.40 FT ABOVE LSD.
LSD 75.00 FT NGVD.
HIGHEST WATER LEVEL 42.83 BELOW LSD, JAN. 17, 1946.
LOWEST WATER LEVEL 103.28 BELOW LSD, SEP. 10, 1976.
RECORDS AVAILABLE 1946-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1982	101.06	AUG. 30, 1982	101.72				

323044092035701 LOCAL WELL NUMBER: OU-96

OWNER: CITY OF MONROE. (IRREG. SEC. 38, T. 18N., R. 4E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 IN, DEPTH 364 FT, SCREENED 294-364. MP TOP OF BREATHER HOLE IN PUMP BASE, 3.00 FT ABOVE LSD.
LSD 74.06 FT NGVD.
HIGHEST WATER LEVEL 65.04 BELOW LSD, MAR. 5, 1946.
LOWEST WATER LEVEL 148.80 BELOW LSD, SEP. 21, 1979.
RECORDS AVAILABLE 1946, 1948-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 29, 1981	138.40	SEP. 2, 1982	139.01				

323136091592801 LOCAL WELL NUMBER: OU-151

OWNER: U. S. CORPS OF ENGINEERS. (SEC. 19, T. 18N., R. 5E.) DRILLED OBSERVATION SEMI-ARTESIAN WELL IN THE OUACHITA RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN, DEPTH 68 FT, SCREENED 58-68. MP TOP OF 3 X 2-IN REDUCER, 4.80 FT ABOVE LSD.
LSD 72.42 FT NGVD.
HIGHEST WATER LEVEL 3.77 BELOW LSD, MAR. 19, 1975.
LOWEST WATER LEVEL 23.63 BELOW LSD, SEP. 22, 1954.
RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 1, 1981	18.42	MAR. 23, 1982	17.99	JUNE 14, 1982	18.05	SEP. 1, 1982	17.42

321653092015601 LOCAL WELL NUMBER: OU-241

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 15N., R. 4E.) BORED OBSERVATION SEMI-ARTESIAN WELL IN THE OUACHITA RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 70 FT, SCREENED 67-70. MP TOP OF CASING, 4.80 FT ABOVE LSD.
LSD 61.52 FT NGVD.
HIGHEST WATER LEVEL 12.78 BELOW LSD, JAN. 17, 1968,
LOWEST WATER LEVEL 26.99 BELOW LSD, SEP. 29, 1978.
RECORDS AVAILABLE 1963-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 30, 1982	21.58						

321713092034401 LOCAL WELL NUMBER: OU-243

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15N., R. 4E.) BORED OBSERVATION SEMI-ARTESIAN WELL IN THE OUACHITA RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 62 FT, SCREENED 59-62. MP TOP OF CASING, 3.50 FT ABOVE LSD.
LSD 61.83 FT NGVD.
HIGHEST WATER LEVEL 8.54 BELOW LSD, SEP. 3, 1975,
LOWEST WATER LEVEL 23.60 BELOW LSD, NOV. 27, 1963.
RECORDS AVAILABLE 1963-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 30, 1982	13.51						

322422092020701 LOCAL WELL NUMBER: OU-401A

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 16N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 397 FT, SCREENED 389-397. MP TOP OF CASING, 3.89 FT ABOVE LSD.
LSD 62.28 FT NGVD.
HIGHEST WATER LEVEL 70.11 BELOW LSD, APR. 27, 1967,
LOWEST WATER LEVEL 101.60 BELOW LSD, MAR. 23, 1982.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1982	101.60	SEP. 1, 1982	90.12				

321714092041401 LOCAL WELL NUMBER: OU-402

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 750 FT, SCREENED 740-750. MP TOP OF CASING, 3.68 FT ABOVE LSD.
LSD 63.30 FT NGVD.
HIGHEST WATER LEVEL 37.01 BELOW LSD, JULY 5, 1965,
LOWEST WATER LEVEL 49.45 BELOW LSD, AUG. 30, 1982.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1982	49.00	AUG. 30, 1982	49.45				

321714092041402 LOCAL WELL NUMBER: OU-403

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 460 FT, SCREENED 453-460. MP TOP OF CASING, 4.04 FT ABOVE LSD.
LSD 63.30 FT NGVD.
HIGHEST WATER LEVEL 40.71 BELOW LSD, SEP. 13, 1967,
LOWEST WATER LEVEL 56.12 BELOW LSD, AUG. 30, 1982.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 1, 1981	55.65	MAR. 23, 1982	55.38	JUNE 15, 1982	55.56	AUG. 30, 1982	56.12

323030091554801 LOCAL WELL NUMBER: OU-404

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 18N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 685 FT, SCREENED 678-685. MP TOP OF CASING, 4.77 FT ABOVE LSD.

LSD 60.89 FT NGVD.
HIGHEST WATER LEVEL 62.27 BELOW LSD, AUG. 7, 1968.
LOWEST WATER LEVEL 81.00 BELOW LSD, AUG. 18, 1981.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 1, 1981	80.93	MAR. 23, 1982	80.01	JUNE 14, 1982	79.58	SEP. 1, 1982	79.71

322531092053901 LOCAL WELL NUMBER: OU-405

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 17N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 775 FT, SCREENED 770-775. MP TOP OF CASING, 3.78 FT ABOVE LSD.

LSD 65.66 FT NGVD.
HIGHEST WATER LEVEL 91.89 BELOW LSD, JULY 19, 1968.
LOWEST WATER LEVEL 116.37 BELOW LSD, SEP. 26, 1980.
RECORDS AVAILABLE 1965-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1982	114.72	AUG. 30, 1982	115.16				

322531092053902 LOCAL WELL NUMBER: OU-406

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 17N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 681 FT, SCREENED 676-681. MP TOP OF CASING, 3.66 FT ABOVE LSD.

LSD 66.75 FT NGVD.
HIGHEST WATER LEVEL 115.06 BELOW LSD, JAN. 17, 1968.
LOWEST WATER LEVEL 141.87 BELOW LSD, DEC. 9, 1980.
RECORDS AVAILABLE 1965-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1982	140.59	AUG. 30, 1982	140.54				

323100092165801 LOCAL WELL NUMBER: OU-443

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 860 FT, SCREENED 850-860. MP TOP OF CASING, 3.22 FT ABOVE LSD.

LSD 118.00 FT NGVD.
HIGHEST WATER LEVEL 168.40 BELOW LSD, AUG. 20, 1969.
LOWEST WATER LEVEL 196.88 BELOW LSD, SEP. 2, 1982.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1982	195.80	SEP. 2, 1982	196.88				

323100092165802 LOCAL WELL NUMBER: OU-444

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 670 FT, SCREENED 660-670. MP TOP OF CASING, 3.60 FT ABOVE LSD.

LSD 118.00 FT NGVD.
HIGHEST WATER LEVEL 171.15 BELOW LSD, AUG. 20, 1969.
LOWEST WATER LEVEL 199.95 BELOW LSD, SEP. 2, 1982.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 22, 1982	194.80	SEP. 2, 1982	199.95				

OUACHITA PARISH

323100092165803 LOCAL WELL NUMBER: OU-445

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 18N., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 454 FT, SCREENED 444-454. MP TOP OF CASING, 3.66 FT ABOVE LSD.
LSD 118.00 FT NGVD.
HIGHEST WATER LEVEL 191.97 BELOW LSD, APR. 13, 1970.
LOWEST WATER LEVEL 225.25 BELOW LSD, SEP. 24, 1980.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 22, 1982	220.54	SEP. 2, 1982	221.08				

322437092243101 LOCAL WELL NUMBER: OU-488

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 16N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 795 FT, SCREENED 785-795. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 300.39 BELOW LSD, APR. 18, 1979.
LOWEST WATER LEVEL 310.02 BELOW LSD, SEP. 30, 1982.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1981	308.58	FEB. 12, 1982	308.60	JUNE 25, 1982	308.39	SEP. 2, 1982	309.56
DEC. 3	308.48	MAR. 25	309.40	JULY 30	309.57	SEP. 30	310.02
JAN. 18, 1982	308.69	MAY 14	309.50				

RAPIDES PARISH

311727092270901 LOCAL WELL NUMBER: R-18

OWNER: CITY OF ALEXANDRIA. (SEC. 7, T. 4N., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 12 IN, DEPTH 406 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1 1/4-IN NIPPLE, 1.30 FT ABOVE LSD.
LSD 78.53 FT NGVD.
HIGHEST WATER LEVEL 69.73 BELOW LSD, APR. 29, 1960.
LOWEST WATER LEVEL 179.75 BELOW LSD, OCT. 21, 1963.
RECORDS AVAILABLE 1939, 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1981	107.89D	MAR. 4, 1982	81.17D	MAY 21, 1982	83.32D	AUG. 27, 1982	140.79C
DEC. 15	92.58D	APR. 16	76.73D	JULY 8	130.17C	SEP. 28	108.46D
JAN. 25, 1982	90.83D						

311850092273401 LOCAL WELL NUMBER: R-26

OWNER: MISSOURI PACIFIC RR. (SEC. 40, T. 4N., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 10 IN, DEPTH APPROXIMATELY 1100 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 3.25 FT ABOVE LSD.
LSD 83.50 FT NGVD.
HIGHEST WATER LEVEL 83.29 BELOW LSD, FEB. 26, 1957.
LOWEST WATER LEVEL 168.66 BELOW LSD, AUG. 10, 1943.
RECORDS AVAILABLE 1938-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1981	100.24H	DEC. 31, 1981	96.37	APR. 5, 1982	93.69	JULY 7, 1982	92.95J
OCT. 5	100.25	JAN. 5, 1982	96.34	APR. 10	93.51	JULY 8	92.92H
OCT. 6	100.26J	JAN. 10	96.24	APR. 15	93.19	JULY 10	92.99
OCT. 10	100.16	JAN. 12	96.04J	APR. 16	93.05H	JULY 15	93.59
OCT. 15	99.94	JAN. 15	96.12	APR. 20	92.83	JULY 20	93.87
OCT. 20	99.76	JAN. 20	96.43	APR. 25	92.68	JULY 25	94.11
OCT. 25	99.19	JAN. 25	96.59H	APR. 30	92.67	JULY 31	94.37
OCT. 31	98.94	JAN. 31	96.82	MAY 5	92.67	AUG. 5	94.51
NOV. 5	98.63	FEB. 3	96.91J	MAY 10	92.66	AUG. 10	94.78
NOV. 10	98.37	FEB. 5	96.89	MAY 15	92.66	AUG. 15	94.90
NOV. 13	98.05H	FEB. 10	96.80	MAY 20	92.66	AUG. 19	94.99J
NOV. 15	97.95	FEB. 15	96.88	MAY 21	92.66H	AUG. 20	94.91
NOV. 20	97.83	FEB. 20	96.28	MAY 25	91.94	AUG. 25	94.89
NOV. 25	97.57	FEB. 25	95.99	MAY 30	91.73	AUG. 27	94.88H
NOV. 30	97.28	FEB. 28	95.81	JUNE 5	91.59J	AUG. 31	95.00
DEC. 5	97.23	MAR. 5	95.43H	JUNE 10	91.70	SEP. 5	95.04
DEC. 10	97.03	MAR. 10	95.08	JUNE 15	91.76	SEP. 10	95.14
DEC. 15	96.76H	MAR. 15	94.82	JUNE 20	91.99	SEP. 15	95.01
DEC. 18	96.90J	MAR. 20	94.61	JUNE 25	92.08	SEP. 20	94.78
DEC. 20	96.84	MAR. 25	94.34	JUNE 30	92.43	SEP. 25	94.74
DEC. 25	96.65	MAR. 31	93.96	JULY 5	92.83	SEP. 30	94.77H

See footnotes at end of table.

RAPIDES PARISH

305945092375001 LOCAL WELL NUMBER: R-601

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 1S., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 100 FT, SCREENED 95-100. MP TOP OF CASING, 2.00 FT ABOVE LSD.
LSD 170.40 FT NGVD.
HIGHEST WATER LEVEL 49.04 BELOW LSD, SEP. 10, 1975.
LOWEST WATER LEVEL 53.22 BELOW LSD, SEP. 22, 1982.
RECORDS AVAILABLE 1954-63, 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1982	53.22						

310740092380201 LOCAL WELL NUMBER: R-847

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 105 FT, SCREENED 95-105. MP TOP OF CASING COLLAR, 0.50 FT ABOVE LSD.
LSD 192.90 FT NGVD.
HIGHEST WATER LEVEL 37.57 BELOW LSD, MAY 15, 1968, MAY 20, 1968,
LOWEST WATER LEVEL 77.81 BELOW LSD, FEB. 23, 1982.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1981	60.08H	JAN. 8, 1982	57.27J	MAR. 31, 1982	61.12	JUNE 20, 1982	56.41
OCT. 5	60.20	JAN. 25	57.11H	APR. 5	61.18	JUNE 25	56.41
OCT. 10	60.34	JAN. 26	57.00J	APR. 9	61.25J	JUNE 30	56.41
OCT. 15	60.46	JAN. 31	57.22	APR. 10	60.20	JULY 1	56.44J
OCT. 20	60.54	FEB. 2	57.32J	APR. 13	59.27H	JULY 5	56.41
OCT. 25	60.56	FEB. 8	56.89J	APR. 15	59.13	JULY 7	56.14J
OCT. 31	60.52	FEB. 10	57.03	APR. 20	58.83	JULY 9	56.22H
NOV. 5	60.45	FEB. 15	57.26	APR. 25	58.75	JULY 10	56.29
NOV. 10	60.71J	FEB. 20	57.87	APR. 30	57.52	JULY 15	56.27
NOV. 14	58.78J	FEB. 23	77.81J	MAY 5	57.08	JULY 16	56.26J
NOV. 17	59.76H	FEB. 25	58.25	MAY 10	56.83	JULY 20	56.86
NOV. 19	60.40J	FEB. 28	58.25	MAY 15	56.66	JULY 25	56.98
NOV. 25	59.54	MAR. 4	58.20H	MAY 20	56.53	JULY 30	57.08
NOV. 30	59.61	MAR. 5	59.80	MAY 25	56.38H	AUG. 5	57.13
DEC. 2	57.60J	MAR. 10	60.40	MAY 31	56.37	AUG. 6	57.10H
DEC. 28	57.57H	MAR. 15	60.73	JUNE 5	56.31	AUG. 10	57.17
DEC. 31	57.53	MAR. 20	60.58	JUNE 10	56.29	SEP. 30	57.48H
JAN. 5, 1982	57.69	MAR. 25	60.84	JUNE 15	56.39		

310728092394201 LOCAL WELL NUMBER: R-848

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 105 FT, SCREENED 102-105. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 206.80 FT NGVD.
HIGHEST WATER LEVEL 54.38 BELOW LSD, MAY 21, 1968,
LOWEST WATER LEVEL 64.20 BELOW LSD, NOV. 13, 1981.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1981	64.20	MAR. 4, 1982	62.04	MAY 25, 1982	62.78	AUG. 13, 1982	63.34
DEC. 18	63.04	APR. 13	62.74	JULY 9	59.58	SEP. 27	63.74
JAN. 25, 1982	63.17						

See footnotes at end of table.

310612092355301 LOCAL WELL NUMBER: R-849

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 2N., R. 2W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 105 FT, SCREENED 95-105. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 193.09 FT NGVD.
HIGHEST WATER LEVEL 42.10 BELOW LSD, MAY 10, 1968,
LOWEST WATER LEVEL 56.14 BELOW LSD, NOV. 10, 1971.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1981	51.27H	DEC. 28, 1981	52.16H	APR. 5, 1982	52.34	JULY 5, 1982	53.05
OCT. 3	51.24J	DEC. 31	52.16J	APR. 10	52.37J	JULY 9	53.02H
OCT. 5	51.26	JAN. 5, 1982	52.18	APR. 13	52.44H	JULY 10	53.08
OCT. 10	51.31	JAN. 10	52.20	APR. 15	52.41	JULY 15	53.09
OCT. 15	51.37	JAN. 15	52.23	APR. 20	52.43	JULY 20	53.15
OCT. 20	51.43	JAN. 20	52.25	APR. 25	52.23	JULY 23	53.46J
OCT. 25	51.48	JAN. 25	52.27H	APR. 30	52.12	JULY 26	53.02J
OCT. 31	51.56	JAN. 31	52.33	MAY 5	52.09J	AUG. 6	53.24J
NOV. 5	51.60	FEB. 5	52.35	MAY 10	52.18	AUG. 10	53.29
NOV. 10	51.64	FEB. 10	52.37J	MAY 15	52.78	AUG. 15	53.32
NOV. 15	51.69	FEB. 15	52.34	MAY 20	53.01	AUG. 20	53.30
NOV. 16	51.71J	FEB. 20	52.13	MAY 25	53.16H	AUG. 25	53.37
NOV. 17	51.75H	FEB. 25	52.04	MAY 31	53.11	AUG. 31	53.36
NOV. 20	51.75	FEB. 28	52.03J	JUNE 5	53.32	SEP. 5	53.90
NOV. 25	51.77	MAR. 4	52.03H	JUNE 10	53.46	SEP. 10	54.16
NOV. 30	51.80	MAR. 5	52.03J	JUNE 11	53.50J	SEP. 15	54.33
DEC. 5	51.83	MAR. 10	52.11	JUNE 15	53.18	SEP. 18	54.39J
DEC. 10	51.86	MAR. 15	52.18	JUNE 20	53.04	SEP. 20	54.06
DEC. 15	51.90	MAR. 20	52.22	JUNE 25	53.02	SEP. 25	53.90
DEC. 20	52.02	MAR. 25	52.29	JUNE 30	53.02	SEP. 30	53.77
DEC. 25	52.10	MAR. 31	52.35				

310928092421401 LOCAL WELL NUMBER: R-851

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 131 FT, SCREENED 128-131. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 220.55 FT NGVD.
HIGHEST WATER LEVEL 52.48 BELOW LSD, JUNE 25, 1976, JULY 20, 1976,
LOWEST WATER LEVEL 56.79 BELOW LSD, APR. 6, 1973.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 28, 1981	54.55	MAR. 4, 1982	54.50	MAY 25, 1982	54.85	SEP. 27, 1982	55.39

311655092192101 LOCAL WELL NUMBER: R-861

OWNER: RODCAW CO. (SEC. 42, T. 4N., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 87 FT, SCREENED 76-87. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 128.47 FT NGVD.
HIGHEST WATER LEVEL 43.09 BELOW LSD, MAY 21, 1966,
LOWEST WATER LEVEL 45.48 BELOW LSD, JAN. 15, 1972.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 18, 1982	44.51	SEP. 14, 1982	44.69				

See footnotes at end of table.

RAPIDES PARISH

310734092373801 LOCAL WELL NUMBER: R-868

OWNER: CITY OF ALEXANDRIA. (SEC. 25, T. 2N., R. 3W.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 104 FT, SCREENED 99-104. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 225.89 FT NGVD.
HIGHEST WATER LEVEL 34.14 BELOW LSD, APR. 30, 1968.
LOWEST WATER LEVEL 61.17 BELOW LSD, SEP. 28, 1982.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1981	57.35H	JAN. 10, 1982	58.39	APR. 10, 1982	59.43	JULY 5, 1982	59.05
OCT. 5	57.27	JAN. 15	56.90J	APR. 13	58.84H	JULY 9	58.69H
OCT. 9	57.04J	JAN. 19	59.18J	APR. 15	58.60	JULY 10	58.62
OCT. 10	57.21	JAN. 20	58.07	APR. 20	58.50	JULY 12	58.30J
OCT. 15	57.45	JAN. 25	58.02H	APR. 21	58.41J	JULY 20	59.32
OCT. 19	57.65J	JAN. 31	57.94	APR. 25	58.93	JULY 25	58.80
OCT. 20	57.49	FEB. 5	57.65	APR. 30	59.16	JULY 30	59.65
OCT. 25	57.19	FEB. 10	57.49	MAY 5	59.32	AUG. 5	59.66
OCT. 31	57.23	FEB. 15	57.41	MAY 10	59.35	AUG. 10	60.13
NOV. 5	57.38	FEB. 20	57.49	MAY 14	59.70J	AUG. 13	60.49H
NOV. 17	57.94H	FEB. 22	57.21J	MAY 15	59.49	AUG. 15	60.41
NOV. 20	57.95	FEB. 25	57.78	MAY 20	59.12	AUG. 20	60.56
NOV. 25	58.30	FEB. 28	58.25	MAY 25	59.42H	AUG. 25	60.70
NOV. 30	58.55	MAR. 4	58.64H	MAY 31	59.62	AUG. 31	60.81
DEC. 5	58.72	MAR. 5	58.66	JUNE 5	59.88	SEP. 5	60.85
DEC. 10	58.88	MAR. 8	58.44J	JUNE 10	60.05	SEP. 10	61.04
DEC. 15	58.62	MAR. 10	58.76	JUNE 11	60.10J	SEP. 15	61.12
DEC. 20	59.01	MAR. 15	58.77	JUNE 15	59.11	SEP. 20	60.66
DEC. 23	59.16J	MAR. 20	58.99	JUNE 20	58.20	SEP. 21	60.31J
DEC. 25	58.46	MAR. 25	59.45	JUNE 25	58.19	SEP. 25	61.00
DEC. 28	58.13H	MAR. 29	59.66J	JUNE 27	57.67J	SEP. 28	61.17J
DEC. 31	58.38	MAR. 31	59.26	JUNE 30	58.97	SEP. 30	60.37H
JAN. 5, 1982	58.71	APR. 5	58.81				

312409092520901 LOCAL WELL NUMBER: R-879

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 5N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 810 FT, SCREENED 800-810. MP TOP OF CASING, 3.90 FT ABOVE LSD.
LSD 300.00 FT NGVD.
HIGHEST WATER LEVEL 209.43 BELOW LSD, APR. 8, 1969.
LOWEST WATER LEVEL 217.18 BELOW LSD, SEP. 28, 1982.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 28, 1982	217.18						

312339092094501 LOCAL WELL NUMBER: R-893

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 22, T. 5N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 820 FT, SCREENED 810-820. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 60.00 FT NGVD.
HIGHEST WATER LEVEL 28.23 BELOW LSD, APR. 15, 1970.
LOWEST WATER LEVEL 72.04 BELOW LSD, SEP. 14, 1982.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 27, 1981	54.77	MAR. 3, 1982	53.58	MAY 18, 1982	53.54	AUG. 17, 1982	57.52C
DEC. 15	57.58	APR. 19	57.14C	JULY 8	61.54C	SEP. 14	72.04C
JAN. 20, 1982	69.05C						

310522092305401 LOCAL WELL NUMBER: R-1015

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 1N., R. 1W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 65 FT, SCREENED 62-65. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 165.00 FT NGVD.
HIGHEST WATER LEVEL 36.07 BELOW LSD, MAR. 21, 1974.
LOWEST WATER LEVEL 45.67 BELOW LSD, JAN. 25, 1982.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1981	45.54	MAR. 4, 1982	45.29	MAY 25, 1982	44.27	AUG. 13, 1982	44.91
DEC. 29	45.65	APR. 13	45.01	JULY 19	44.66	SEP. 27	44.95
JAN. 25, 1982	45.67						

310404092313001 LOCAL WELL NUMBER: R-1016

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 74 FT. SCREENED 71-74. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 180.00 FT NGVD.
HIGHEST WATER LEVEL 31.94 BELOW LSD, JUNE 24, 1976.
LOWEST WATER LEVEL 37.52 BELOW LSD, SEP. 27, 1982.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 27, 1982	37.52						

310329092320801 LOCAL WELL NUMBER: R-1017

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 1N., R. 2W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 84 FT. SCREENED 81-84. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 185.00 FT NGVD.
HIGHEST WATER LEVEL 40.88 BELOW LSD, MAY 19, 1976.
LOWEST WATER LEVEL 46.87 BELOW LSD, SEP. 27, 1982.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 27, 1982	46.87						

310340092332801 LOCAL WELL NUMBER: R-1018

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 138 FT. SCREENED 135-138. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 59.26 BELOW LSD, JUNE 17, 1974.
LOWEST WATER LEVEL 68.45 BELOW LSD, SEP. 27, 1982.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 27, 1982	68.45						

310125092324801 LOCAL WELL NUMBER: R-1019

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 88 FT. SCREENED 85-88. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 150.00 FT NGVD.
HIGHEST WATER LEVEL 44.77 BELOW LSD, MAY 9, 1974.
LOWEST WATER LEVEL 51.40 BELOW LSD, SEP. 27, 1982.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 27, 1982	51.40						

310008092340801 LOCAL WELL NUMBER: R-1020

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1S., R. 2W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN. DEPTH 24 FT. SCREENED 21-24. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 60.00 FT NGVD.
HIGHEST WATER LEVEL 4.14 BELOW LSD, MAR. 9, 1977.
LOWEST WATER LEVEL 7.62 BELOW LSD, SEP. 21, 1978.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 27, 1982	6.82						

310131092345901   LOCAL WELL NUMBER: R-1021

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 96 FT, SCREENED 93-96. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 155.00 FT NGVD.
HIGHEST WATER LEVEL 42.68 BELOW LSD, MAY 9, 1974.
LOWEST WATER LEVEL 51.07 BELOW LSD, SEP. 27, 1982.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1981	50.05	MAR. 4, 1982	50.62	MAY 25, 1982	50.49	AUG. 13, 1982	50.89
DEC. 28	49.85	APR. 13	50.72	JULY 9	50.70	SEP. 27	51.07
JAN. 25, 1982	50.52						

310303092355401   LOCAL WELL NUMBER: R-1022

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 96 FT, SCREENED 93-96. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 170.00 FT NGVD.
HIGHEST WATER LEVEL 35.59 BELOW LSD, MAR. 21, 1974.
LOWEST WATER LEVEL 45.81 BELOW LSD, SEP. 27, 1982.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1981	44.58	MAR. 4, 1982	45.20	MAY 25, 1982	45.26	AUG. 13, 1982	45.63
DEC. 28	44.70	APR. 13	45.33	JULY 9	45.48	SEP. 27	45.81
JAN. 25, 1982	44.99						

310403092370702   LOCAL WELL NUMBER: R-1024A

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 1N., R. 2W.) BORED OBSERVATION SEMI-ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 16 FT, SCREENED 13-16. MP TOP OF CASING, 4.03 FT ABOVE LSD.
LSD 115.00 FT NGVD.
HIGHEST WATER LEVEL 0.68 BELOW LSD, APR. 23, 1979.
LOWEST WATER LEVEL 5.77 BELOW LSD, AUG. 26, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1981	4.77	MAR. 4, 1982	4.30	MAY 25, 1982	4.67	AUG. 13, 1982	4.91
DEC. 28	4.74	APR. 13	4.60	JULY 9	4.88	SEP. 27	4.77
JAN. 25, 1982	4.71						

310403092370701   LOCAL WELL NUMBER: R-1024B

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 1N., R. 2W.) BORED OBSERVATION SEMI-ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 152 FT, SCREENED 149-152. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 115.00 FT NGVD.
HIGHEST WATER LEVEL 0.20 ABOVE LSD, JAN. 24, 1980.
LOWEST WATER LEVEL 4.58 BELOW LSD, AUG. 26, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1981	3.92	MAR. 4, 1982	3.36	MAY 25, 1982	3.76	AUG. 13, 1982	4.03
DEC. 28	3.58	APR. 13	3.80	JULY 9	3.74	SEP. 27	4.08
JAN. 25, 1982	3.76						

310421092351001   LOCAL WELL NUMBER: R-1026

OWNER: U. S. GEOL. SURVEY. (SEC. 9, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 116 FT, SCREENED 113-116. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 47.37 BELOW LSD, MAR. 21, 1974.
LOWEST WATER LEVEL 57.34 BELOW LSD, SEP. 30, 1982.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 30, 1982	57.34						

310510092344601 LOCAL WELL NUMBER: R-1027

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 148 FT, SCREENED 145-148. MP TOP OF CASING, 5.00 FT ABOVE LSD.
LSD 230.00 FT NGVD.
HIGHEST WATER LEVEL 70.13 BELOW LSD, OCT. 29, 1975.
LOWEST WATER LEVEL 80.42 BELOW LSD, SEP. 30, 1982.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 30, 1982	80.42						

310555092381401 LOCAL WELL NUMBER: R-1028

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 63 FT, SCREENED 60-63. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 135.00 FT NGVD.
HIGHEST WATER LEVEL 6.71 BELOW LSD, MAR. 19, 1976.
LOWEST WATER LEVEL 10.15 BELOW LSD, SEP. 27, 1982.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 27, 1982	10.15						

310635092391602 LOCAL WELL NUMBER: R-1029A

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 2N., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 22 FT, SCREENED 19-22. MP TOP OF CASING, 2.61 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 6.55 BELOW LSD, MAY 3, 1977.
LOWEST WATER LEVEL 11.67 BELOW LSD, MAY 12, 1978.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1981	11.47	MAR. 4, 1982	10.76	MAY 25, 1982	11.27	AUG. 13, 1982	11.52
DEC. 28	11.56	APR. 13	11.16	JULY 9	11.65	SEP. 27	11.55
JAN. 25, 1982	11.22						

310635092391601 LOCAL WELL NUMBER: R-1029B

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 2N., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 152 FT, SCREENED 149-152. MP TOP OF CASING, 2.73 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 6.84 BELOW LSD, MAY 3, 1977.
LOWEST WATER LEVEL 11.73 BELOW LSD, SEP. 27, 1982.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1981	11.49	MAR. 4, 1982	10.68	MAY 25, 1982	11.09	AUG. 13, 1982	11.63
DEC. 28	11.57	APR. 13	11.05	JULY 9	11.63	SEP. 27	11.73
JAN. 25, 1982	11.34						

310552092410301 LOCAL WELL NUMBER: R-1030

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 1N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 134 FT, SCREENED 131-134. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 66.89 BELOW LSD, OCT. 29, 1975.
LOWEST WATER LEVEL 74.09 BELOW LSD, SEP. 27, 1982.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 27, 1982	74.09						

RAPIDES PARISH

310436092430201 LOCAL WELL NUMBER: R-1031

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 1N., R. 3W.) BORED OBSERVATION SEMI-ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 95 FT, SCREENED 92-95. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 0.26 ABOVE LSD, FEB. 22, 1979,
LOWEST WATER LEVEL 8.57 BELOW LSD, SEP. 18, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1981	8.37	MAR. 4, 1982	2.89	MAY 25, 1982	6.53	AUG. 13, 1982	7.27
DEC. 28	7.90	APR. 13	4.97	JULY 9	7.53	SEP. 27	8.30
JAN. 25, 1982	7.30						

310919092385701 LOCAL WELL NUMBER: R-1032

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 116 FT, SCREENED 113-116. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 240.00 FT NGVD.
HIGHEST WATER LEVEL 87.08 BELOW LSD, AUG. 18, 1976,
LOWEST WATER LEVEL 91.79 BELOW LSD, SEP. 27, 1982.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 27, 1982	91.79						

310927092374001 LOCAL WELL NUMBER: R-1033

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 3.50 FT ABOVE LSD.
LSD 175.00 FT NGVD.
HIGHEST WATER LEVEL 34.77 BELOW LSD, NOV. 13, 1975,
LOWEST WATER LEVEL 43.54 BELOW LSD, SEP. 27, 1982.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 27, 1982	43.54						

310808092374001 LOCAL WELL NUMBER: R-1034

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 2N., R. 3W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 95 FT, SCREENED 92-95. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 195.00 FT NGVD.
HIGHEST WATER LEVEL 38.58 BELOW LSD, NOV. 13, 1975,
LOWEST WATER LEVEL 52.71 BELOW LSD, SEP. 27, 1982.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 27, 1982	52.71						

310806092351801 LOCAL WELL NUMBER: R-1035

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 2N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 127 FT, SCREENED 124-127. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 230.00 FT NGVD.
HIGHEST WATER LEVEL 73.63 BELOW LSD, NOV. 10, 1977,
LOWEST WATER LEVEL 85.49 BELOW LSD, SEP. 27, 1982.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 27, 1982	85.49						

RAPIDES PARISH

311159092441001 LOCAL WELL NUMBER: R-1056

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 3N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 1555 FT, SCREENED 1545-1555. MP TOP OF CASING, 3.20 FT ABOVE LSD.
LSD 240.00 FT NGVD.
HIGHEST WATER LEVEL 157.97 BELOW LSD, MAY 9, 1977.
LOWEST WATER LEVEL 194.06 BELOW LSD, AUG. 19, 1982.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1981	191.26	MAR. 1, 1982	191.30	MAY 20, 1982	192.77	AUG. 19, 1982	194.06
DEC. 10	191.37	APR. 12	191.77	JULY 7	192.82	SEP. 28	191.11

310541092293601 LOCAL WELL NUMBER: R-1085B

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 1N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 500 FT, SCREENED 490-500. MP TOP OF CASING, AT LSD.
LSD 100.00 FT NGVD.
HIGHEST WATER LEVEL 38.60 BELOW LSD, MAY 20, 1975.
LOWEST WATER LEVEL 52.76 BELOW LSD, SEP. 27, 1982.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 27, 1982	52.76						

310007092431601 LOCAL WELL NUMBER: R-1207

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 1S., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 4 TO 2 IN, DEPTH 2772 FT, SCREENED 2752-2772. MP TOP OF BUSHING, 4.20 FT ABOVE LSD.
LSD 180.00 FT NGVD.
HIGHEST WATER LEVEL 56.10 BELOW LSD, DEC. 1, 1981.
LOWEST WATER LEVEL 58.26 BELOW LSD, SEP. 15, 1982.
RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 1, 1981	56.10	JAN. 22, 1982	57.05	MAY 20, 1982	57.47	AUG. 17, 1982	58.00
DEC. 4	56.79	MAR. 2	57.20	JULY 7	57.85	SEP. 15	58.26
DEC. 17	57.03	APR. 14	57.18				

310007092431602 LOCAL WELL NUMBER: R-1208

OWNER: U. S. GEOL. SURVEY. (SEC. 1, T. 1S., R. 4W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 117, SCREENED 92-117. MP TOP OF CASING, 1.70 FT ABOVE LSD.
LSD 180.00 FT NGVD.
HIGHEST WATER LEVEL 31.14 BELOW LSD, DEC. 4, 1981.
LOWEST WATER LEVEL 32.16 BELOW LSD, SEP. 15, 1982.
RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 4, 1981	31.14	MAR. 2, 1982	31.65	MAY 20, 1982	31.49	AUG. 17, 1982	32.03
DEC. 17	31.21	APR. 14	31.62	JULY 7	31.87	SEP. 15	32.16
JAN. 22, 1982	31.53						

RED RIVER PARISH

321010093143901 LOCAL WELL NUMBER: RR-274

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 14N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 206 FT, SCREENED 196-206. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 235.00 FT NGVD.
HIGHEST WATER LEVEL 58.04 BELOW LSD, MAY 15, 1980.
LOWEST WATER LEVEL 61.67 BELOW LSD, NOV. 6, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1981	60.66	JAN. 18, 1982	61.58	MAY 12, 1982	60.62	JULY 28, 1982	60.99
NOV. 6	61.67	FEB. 23	61.38	JUNE 23	60.92	SEP. 2	61.00
DEC. 1	59.64	APR. 14	60.90				

RED RIVER PARISH

321010093143902 LOCAL WELL NUMBER: RR-276

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 14N., R. 9W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 42 FT, SCREENED 39-42. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 235.00 FT NGVD.
HIGHEST WATER LEVEL 21.64 BELOW LSD, MAY 15, 1980.
LOWEST WATER LEVEL 27.30 BELOW LSD, SEP. 2, 1982.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1981	26.38	JAN. 18, 1982	26.66	MAY 12, 1982	25.10	JULY 26, 1982	26.73
NOV. 6	26.04	FEB. 23	26.00	JUNE 23	26.19	SEP. 2	27.30
DEC. 1	26.90	APR. 13	25.88				

320316093114201 LOCAL WELL NUMBER: RR-278

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 12N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 348 FT, SCREENED 338-348. MP TOP OF BUSHING, AT LSD.
LSD 160.00 FT NGVD.
HIGHEST WATER LEVEL 19.73 BELOW LSD, FEB. 23, 1982.
LOWEST WATER LEVEL 20.45 BELOW LSD, OCT. 5, 1981.
RECORDS AVAILABLE 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 14, 1981	20.27	NOV. 6, 1981	20.37	FEB. 23, 1982	19.73	JUNE 23, 1982	20.26
JULY 22	20.24	DEC. 1	20.30	APR. 3	20.16	JULY 28	20.38
AUG. 28	20.39	JAN. 19, 1982	20.44	MAY 12	20.00	SEP. 2	20.34
OCT. 5	20.45						

320019093225603 LOCAL WELL NUMBER: RR-280

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 12N., R. 10W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 42 FT, SCREENED 39-42. MP TOP OF CASING 4.70 FT ABOVE LSD. (REPLACES WELL RR-141)
LSD 128.00 FT NGVD.
HIGHEST WATER LEVEL 9.26 BELOW LSD, MAY 3, 1982.
LOWEST WATER LEVEL 14.33 BELOW LSD, SEP. 9, 1982.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 5, 1982	12.40	JUNE 7, 1982	12.35	AUG. 2, 1982	12.20	SEP. 9, 1982	14.33
MAY 3	9.26	JULY 7	11.67				

RICHLAND PARISH

322956091441001 LOCAL WELL NUMBER: RI-88

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 18N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 IN, DEPTH 239 FT, SCREENED 228-239. MP TOP OF 4-IN COLLAR, 3.60 FT ABOVE LSD.
LSD 85.00 FT NGVD.
HIGHEST WATER LEVEL 17.00 BELOW LSD, MAY 21, 1975.
LOWEST WATER LEVEL 20.68 BELOW LSD, SEP. 22, 1982.
RECORDS AVAILABLE 1969-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 27, 1982	19.98	SEP. 22, 1982	20.68				

323029091430001 LOCAL WELL NUMBER: RI-89

OWNER: U. S. GEOL. SURVEY. (SEC. 26, T. 18N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 300 FT, SCREENED 290-300. MP TOP OF CASING, 4.20 FT ABOVE LSD.
LSD 84.00 FT NGVD.
HIGHEST WATER LEVEL 17.75 BELOW LSD, MAY 21, 1975.
LOWEST WATER LEVEL 21.23 BELOW LSD, SEP. 10, 1969.
RECORDS AVAILABLE 1969-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 27, 1982	20.74	SEP. 22, 1982	21.22				

322706091453401 LOCAL WELL NUMBER: RI-91

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 17N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 180 FT, SCREENED 170-180. MP TOP OF CASING, 3.90 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 10.27 BELOW LSD, MAY 21, 1975.
LOWEST WATER LEVEL 13.98 BELOW LSD, NOV. 30, 1970.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 27, 1982	11.70	SEP. 22, 1982	13.38				

322706091453402 LOCAL WELL NUMBER: RI-92

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 17N., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 153 FT, SCREENED 143-153. MP TOP OF HOLE IN CASING CAP, 4.30 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 10.21 BELOW LSD, FEB. 20, 1976.
LOWEST WATER LEVEL 13.98 BELOW LSD, NOV. 30, 1970.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 27, 1982	11.75	SEP. 22, 1982	13.17				

322804091375002 LOCAL WELL NUMBER: RI-93A

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 17N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 239 FT, SCREENED 229-239. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 15.09 BELOW LSD, FEB. 20, 1976.
LOWEST WATER LEVEL 18.25 BELOW LSD, JULY 20, 1970.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 27, 1982	17.51	SEP. 22, 1982	18.09				

323304091374301 LOCAL WELL NUMBER: RI-94

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 18N., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 345 FT, SCREENED 335-345. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 11.87 BELOW LSD, FEB. 20, 1976.
LOWEST WATER LEVEL 14.28 BELOW LSD, APR. 27, 1982.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 27, 1982	14.28						

323217091295002 LOCAL WELL NUMBER: RI-95A

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 18N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 200 FT, SCREENED 190-200. MP TOP OF CASING, 2.00 FT ABOVE LSD.
LSD 90.00 FT NGVD.
HIGHEST WATER LEVEL 23.76 BELOW LSD, FEB. 20, 1976.
LOWEST WATER LEVEL 25.53 BELOW LSD, NOV. 30, 1970.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 27, 1982	24.58	SEP. 22, 1982	24.80				

RICHLAND PARISH

323003091301301 LOCAL WELL NUMBER: RI-96

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 18N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 170 FT, SCREENED 160-170. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 90.00 FT NGVD.
HIGHEST WATER LEVEL 15.30 BELOW LSD, MAR. 5, 1980.
LOWEST WATER LEVEL 17.34 BELOW LSD, NOV. 30, 1970.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 27, 1982	16.10	SEP. 22, 1982	16.50				

322750091350501 LOCAL WELL NUMBER: RI-97

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 17N., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 239 FT, SCREENED 229-239. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 80.00 FT NGVD.
HIGHEST WATER LEVEL 13.98 BELOW LSD, MAY 21, 1975.
LOWEST WATER LEVEL 17.48 BELOW LSD, AUG. 25, 1970.
RECORDS AVAILABLE 1970-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1982	17.17						

322623091294901 LOCAL WELL NUMBER: RI-112

OWNER: MRS. EMMETT REYNOLDS. (SEC. 24, T. 17N., R. 9E.) DRILLED UNUSED WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 67 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 2.00 FT ABOVE LSD.
LSD 95.00 FT NGVD.
HIGHEST WATER LEVEL 30.19 BELOW LSD, MAY 25, 1978.
LOWEST WATER LEVEL 35.42 BELOW LSD, SEP. 22, 1982.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 26, 1982	35.20	SEP. 22, 1982	35.42				

322636091295702 LOCAL WELL NUMBER: RI-114

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 17N., R. 9E.) DRILLED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 66 FT, SCREENED 63-66. MP TOP OF CASING, 4.35 FT ABOVE LSD.
LSD 95.00 FT NGVD.
HIGHEST WATER LEVEL 31.91 BELOW LSD, AUG. 7, 1975.
LOWEST WATER LEVEL 34.95 BELOW LSD, DEC. 4, 1972.
RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 26, 1982	34.00	SEP. 22, 1982	34.14				

322605091301101 LOCAL WELL NUMBER: RI-124

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 17N., R. 9E.) BORED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 84 FT, SCREENED 81-84. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 95.00 FT NGVD.
HIGHEST WATER LEVEL 30.75 BELOW LSD, AUG. 20, 1979.
LOWEST WATER LEVEL 34.53 BELOW LSD, SEP. 22, 1982.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 26, 1982	34.29	SEP. 22, 1982	34.53				

313510093282101 LOCAL WELL NUMBER: SA-103

OWNER: LOUIS ALFORD. (SEC. 14, T. 7N., R. 11W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 10 IN, DEPTH 170 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.80 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 3.34 BELOW LSD, MAR. 21, 1961,
LOWEST WATER LEVEL 16.93 BELOW LSD, JULY 25, 1955, MAR. 1, 1982.
RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 18, 1981	16.30	MAR. 1, 1982	16.93	SEP. 21, 1982	15.30		

314708093385201 LOCAL WELL NUMBER: SA-163

OWNER: SABINE PARISH SCHOOL BOARD. (SEC. 12, T. 9N., R. 13W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 6 IN, DEPTH 200 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 305.00 FT NGVD.
HIGHEST WATER LEVEL 83.29 BELOW LSD, MAY 31, 1979,
LOWEST WATER LEVEL 89.80 BELOW LSD, JUNE 25, 1963.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 16, 1981	86.82	MAR. 10, 1982	85.96	MAY 18, 1982	85.44	SEP. 30, 1982	85.18

312243093240501 LOCAL WELL NUMBER: SA-287

OWNER: A. J. HODGES. (SEC. 28, T. 5N., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 6 IN, DEPTH 208 FT, SCREENED 178-208. MP 1/2-IN HOLE IN SANITARY SEAL, 1.20 FT ABOVE LSD.
LSD 310.00 FT NGVD.
HIGHEST WATER LEVEL 64.02 BELOW LSD, DEC. 17, 1958,
LOWEST WATER LEVEL 70.20 BELOW LSD, FEB. 12, 1973.
RECORDS AVAILABLE 1958, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 21, 1982	67.27						

311828093270301 LOCAL WELL NUMBER: SA-386

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 4N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 131 FT, SCREENED 126-131. MP TOP OF CASING, 2.20 FT ABOVE LSD.
LSD 242.00 FT NGVD.
HIGHEST WATER LEVEL 12.78 BELOW LSD, APR. 24, 1973,
LOWEST WATER LEVEL 17.73 BELOW LSD, OCT. 29, 1980.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1981	17.08	MAR. 1, 1982	15.72	MAY 27, 1982	14.37	AUG. 24, 1982	16.66
DEC. 22	17.06	APR. 14	15.03	JULY 14	15.80	SEP. 21	17.11
JAN. 25, 1982	16.89						

311930093362001 LOCAL WELL NUMBER: SA-387

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 4N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 402 FT, SCREENED 397-402. MP TOP OF CASING, 1.45 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 39.59 BELOW LSD, JUNE 4, 1969,
LOWEST WATER LEVEL 67.86 BELOW LSD, OCT. 28, 1965.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1981	45.22	MAR. 3, 1982	43.34	MAY 27, 1982	42.17	AUG. 24, 1982	43.45
DEC. 18	43.27	APR. 14	42.73	JULY 14	41.92	SEP. 21	43.92
JAN. 25, 1982	43.47						

SABINE PARISH

311930093362002 LOCAL WELL NUMBER: SA-388

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 4N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 265 FT, SCREENED 260-265. MP TOP OF CASING, 1.20 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 40.28 BELOW LSD, JAN. 31, 1974,
LOWEST WATER LEVEL 65.18 BELOW LSD, OCT. 28, 1965.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1981	43.01	MAR. 1, 1982	42.62	MAY 27, 1982	40.89	AUG. 24, 1982	42.78
DEC. 18	40.42	APR. 14	42.23	JULY 14	41.02	SEP. 21	43.11
JAN. 25, 1982	42.63						

312314093352901 LOCAL WELL NUMBER: SA-389

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 5N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 383 FT, SCREENED 378-383. MP TOP OF CASING, 1.30 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 70.58 BELOW LSD, MAR. 27, 1969,
LOWEST WATER LEVEL 77.49 BELOW LSD, FEB. 2, 1967.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 18, 1981	74.62	MAR. 1, 1982	74.00	MAY 27, 1982	73.34	SEP. 21, 1982	74.09

312604093315801 LOCAL WELL NUMBER: SA-390

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 362 FT, SCREENED 357-362. MP TOP OF CASING, 0.70 FT ABOVE LSD.
LSD 325.00 FT NGVD.
HIGHEST WATER LEVEL 115.30 BELOW LSD, MAY 28, 1980,
LOWEST WATER LEVEL 117.52 BELOW LSD, DEC. 5, 1967.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 18, 1981	116.33	MAR. 1, 1982	116.20	MAY 27, 1982	115.94	SEP. 21, 1982	116.54

312329093295201 LOCAL WELL NUMBER: SA-391

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 383 FT, SCREENED 378-383. MP TOP OF CASING, 1.65 FT ABOVE LSD.
LSD 240.00 FT NGVD.
HIGHEST WATER LEVEL 0.28 ABOVE LSD, APR. 26, 1966,
LOWEST WATER LEVEL 4.85 BELOW LSD, OCT. 6, 1971.
RECORDS AVAILABLE 1965-74, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 18, 1981	0.67	MAR. 1, 1982	0.44	MAY 27, 1982	0.25	SEP. 21, 1982	0.51

312206093311001 LOCAL WELL NUMBER: SA-392

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 5N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 2 IN, DEPTH 544 FT, SCREENED 539-544. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 242.00 FT NGVD.
HIGHEST WATER LEVEL 23.79 BELOW LSD, JULY 3, 1975,
LOWEST WATER LEVEL 26.30 BELOW LSD, NOV. 13, 1979.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1981	25.02	MAR. 1, 1982	24.94	MAY 27, 1982	24.80	AUG. 24, 1982	25.30
DEC. 18	25.19	APR. 14	24.93	JULY 14	24.61	SEP. 21	24.78
JAN. 26, 1982	25.00						

SABINE PARISH

313748093451001 LOCAL WELL NUMBER: SA-394

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 8N., R. 14W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 278 FT, SCREENED 273-278. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 265.00 FT NGVD.
HIGHEST WATER LEVEL 106.74 BELOW LSD, APR. 9, 1975,
LOWEST WATER LEVEL 118.85 BELOW LSD, OCT. 4, 1967.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 30, 1982	109.91						

314620093460801 LOCAL WELL NUMBER: SA-395

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 9N., R. 14W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 293 FT, SCREENED 288-293. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 1.03 ABOVE LSD, JUNE 5, 1968,
LOWEST WATER LEVEL 4.80 BELOW LSD, OCT. 30, 1980.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1981	4.48	JAN. 26, 1982	4.65	APR. 21, 1982	4.13	JULY 13, 1982	4.52
DEC. 16	4.31	MAR. 10	4.32	MAY 18	3.95	SEP. 30	4.18

312748093393801 LOCAL WELL NUMBER: SA-462

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 6N., R. 13W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 178 FT, SCREENED 168-178. MP TOP OF CASING, 3.94 FT ABOVE LSD.
LSD 280.00 FT NGVD.
HIGHEST WATER LEVEL 102.69 BELOW LSD, MAR. 12, 1980,
LOWEST WATER LEVEL 104.05 BELOW LSD, SEP. 21, 1982.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1981	103.73	MAR. 1, 1982	103.86	MAY 27, 1982	103.43	SEP. 21, 1982	104.05
DEC. 18	103.09						

312725093325301 LOCAL WELL NUMBER: SA-465

OWNER: U. S. GEOL. SURVEY. (SEC. 39, T. 6N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF PALEOCENE-EOCENE AGE, DIAM 2 IN, DEPTH 80 FT, SCREENED 70-80. MP TOP OF CASING, 4.04 FT ABOVE LSD.
LSD 265.00 FT NGVD.
HIGHEST WATER LEVEL 39.55 BELOW LSD, MAY 28, 1980,
LOWEST WATER LEVEL 47.46 BELOW LSD, SEP. 21, 1982.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1981	46.92	MAR. 1, 1982	46.96	MAY 27, 1982	45.28	SEP. 21, 1982	47.46
DEC. 18	47.26						

ST. LANDRY PARISH

303108092041201 LOCAL WELL NUMBER: SL-37

OWNER: U. S. GEOL. SURVEY. (SEC. 85, T. 6S., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 629 FT, SCREENED 624-629. MP TOP INSIDE EDGE OF 2-IN CASING, 2.00 FT ABOVE LSD.
LSD 60.00 FT NGVD.
HIGHEST WATER LEVEL 68.56 BELOW LSD, JUNE 7, 1966,
LOWEST WATER LEVEL 96.87 BELOW LSD, SEP. 22, 1980.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1981	95.26	JAN. 22, 1982	95.07	APR. 19, 1982	93.10	JULY 23, 1982	94.16
NOV. 16	94.25	MAR. 1	94.12	MAY 20	90.83	AUG. 24	93.81
DEC. 18	94.65	MAR. 23	93.63	JUNE 24	94.26	SEP. 22	93.52

304116092083601 LOCAL WELL NUMBER: SL-179

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 40, T. 4S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 94 FT, SCREENED 91-94. MP TOP OF 1 1/4-IN PIPE, 3.50 FT ABOVE LSD.
LSD 55.23 FT NGVD.
HIGHEST WATER LEVEL 45.23 BELOW LSD, APR. 28, 1958,
LOWEST WATER LEVEL 56.90 BELOW LSD, SEP. 13, 1982.
RECORDS AVAILABLE 1958-72, 1974-79, 1981-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 2, 1982	56.40	MAY 13, 1982	56.47	JUNE 29, 1982	56.71	AUG. 16, 1982	56.84
MAR. 30	56.37	MAY 20	56.62	JULY 6	56.74	AUG. 23	56.84
APR. 2	56.23	MAY 25	56.50	JULY 13	56.76	AUG. 30	56.84
APR. 9	56.63	JUNE 2	56.61	JULY 20	56.79	SEP. 7	56.82
APR. 16	56.53	JUNE 8	56.71	JULY 26	56.88	SEP. 13	56.90
APR. 23	56.63	JUNE 15	56.60	AUG. 2	56.71	SEP. 20	56.88
APR. 29	56.48	JUNE 22	56.72	AUG. 9	56.83	SEP. 27	56.81
MAY 6	56.52						

303150092252101 LOCAL WELL NUMBER: SL-200

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 2 IN, DEPTH 708 FT, SCREENED 703-708. MP TOP OF 2-IN CASING, 0.40 FT ABOVE LSD.
LSD 50.72 FT NGVD.
HIGHEST WATER LEVEL 68.57 BELOW LSD, APR. 26, 1966,
LOWEST WATER LEVEL 85.10 BELOW LSD, SEP. 23, 1981.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1981	84.72	JAN. 22, 1982	82.95	APR. 19, 1982	82.35	JULY 23, 1982	84.14
NOV. 16	84.11	MAR. 1	82.59	MAY 20	82.45	AUG. 26	84.40
DEC. 16	83.68	MAR. 23	82.37	JUNE 24	83.39	SEP. 22	84.35

303150092252102 LOCAL WELL NUMBER: SL-201

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 203 FT, SCREENED 197-203. MP TOP OF 2-IN CASING, 0.40 FT ABOVE LSD.
LSD 50.55 FT NGVD.
HIGHEST WATER LEVEL 79.08 BELOW LSD, MAR. 23, 1966,
LOWEST WATER LEVEL 114.14 BELOW LSD, JULY 25, 1973.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1981	99.48	JAN. 22, 1982	94.60	APR. 19, 1982	97.28	JULY 23, 1982	104.40
NOV. 16	97.74	MAR. 1	93.40	MAY 20	101.93	AUG. 26	99.75
DEC. 16	96.31	MAR. 23	98.87	JUNE 24	105.79	SEP. 22	100.68

303109092041901 LOCAL WELL NUMBER: SL-206

OWNER: U. S. GEOL. SURVEY. (SEC. 85, T. 6S., R. 4E.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 100 FT, SCREENED 97-100. MP TOP INSIDE EDGE OF 1 1/4-IN CASING, 2.00 FT ABOVE LSD.
LSD 62.00 FT NGVD.
HIGHEST WATER LEVEL 64.73 BELOW LSD, JUNE 9, 1966,
LOWEST WATER LEVEL 71.49 BELOW LSD, JULY 23, 1982.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1981	71.13	JAN. 22, 1982	70.70	APR. 19, 1982	70.85	JULY 23, 1982	71.49
NOV. 16	70.38	MAR. 1	70.70	MAY 20	70.90	AUG. 26	71.43
DEC. 18	70.78	MAR. 23	70.78	JUNE 24	71.43	SEP. 22	71.30

ST. LANDRY PARISH

303109092041902 LOCAL WELL NUMBER: SL-207

OWNER: U. S. GEOL. SURVEY. (SEC. 85, T. 6S., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 478 FT, SCREENED 472-478, MP TOP INSIDE EDGE OF 2-IN CASING, 2.00 FT ABOVE LSD.
LSD 62.00 FT NGVD.
HIGHEST WATER LEVEL 66.28 BELOW LSD, MAR. 26, 1968.
LOWEST WATER LEVEL 79.00 BELOW LSD, JUNE 24, 1982.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1981	78.29	JAN. 22, 1982	78.66	MAR. 23, 1982	78.46	MAY 20, 1982	78.02
NOV. 16	77.70	MAR. 1	78.35	APR. 19	78.25	JUNE 24	79.00E
DEC. 18	77.94						

TENSAS PARISH

320431091144801 LOCAL WELL NUMBER: TS-8

OWNER: E. R. MCDONALD. (SEC. 4, T. 13N., R. 12E.) DRILLED UNUSED SEMI-ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 110 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 79.60 FT NGVD.
HIGHEST WATER LEVEL 2.05 BELOW LSD, MAY 30, 1979.
LOWEST WATER LEVEL 17.18 BELOW LSD, DEC. 18, 1956.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 16, 1981	15.37	MAR. 3, 1982	14.25	MAY 26, 1982	13.45	SEP. 23, 1982	13.68

314827091234001 LOCAL WELL NUMBER: TS-9

OWNER: CHICAGO MILL AND LUMBER CO. (SEC. 37, T. 10N., R. 10E.) DRILLED UNUSED SEMI-ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 102 FT, SCREENED INTERVAL UNKNOWN, MP BOTTOM OF 3/4-IN HOLE ON SIDE OF CASING, 0.30 FT ABOVE LSD.
LSD 65.00 FT NGVD.
HIGHEST WATER LEVEL 0.71 ABOVE LSD, MAY 16, 1973.
LOWEST WATER LEVEL 25.38 BELOW LSD, DEC. 18, 1956.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 16, 1981	21.23	MAR. 3, 1982	15.04	MAY 25, 1982	10.02	SEP. 23, 1982	14.27

UNION PARISH

324417092090001 LOCAL WELL NUMBER: UN-26

OWNER: MANVILLE FOREST PRODUCTS. (SEC. 10, T. 20N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN, DEPTH 750 FT, SCREENED 675-750, MP HOLE IN SIDE OF CASING, AT LSD.
LSD 133.92 FT NGVD.
HIGHEST WATER LEVEL 141.11 BELOW LSD, JULY 26, 1959.
LOWEST WATER LEVEL 180.42 BELOW LSD, DEC. 10, 1981.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1981	180.42	MAR. 23, 1982	179.89	JUNE 14, 1982	180.13	AUG. 26, 1982	178.94

325028092113301 LOCAL WELL NUMBER: UN-78

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 21N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 727 FT, SCREENED 717-727, MP TOP OF CASING, 1.53 FT ABOVE LSD.
LSD 175.00 FT NGVD.
HIGHEST WATER LEVEL 178.85 BELOW LSD, MAR. 25, 1969.
LOWEST WATER LEVEL 197.93 BELOW LSD, AUG. 18, 1981.
RECORDS AVAILABLE 1969-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1982	197.89	AUG. 31, 1982	194.29				

See footnotes at end of table.

324955092084001 LOCAL WELL NUMBER: UN-79

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 21N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 749 FT, SCREENED 739-749. MP TOP OF BUSHING, 3.40 FT ABOVE LSD.
LSD 118.00 FT NGVD.
HIGHEST WATER LEVEL 134.31 BELOW LSD, MAY 13, 1969,
LOWEST WATER LEVEL 148.18 BELOW LSD, AUG. 18, 1981.
RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1982	145.89	AUG. 31, 1982	147.25				

324917092242001 LOCAL WELL NUMBER: UN-80

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 21N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 710 FT, SCREENED 700-710. MP TOP OF CASING, 3.75 FT ABOVE LSD.
LSD 190.00 FT NGVD.
HIGHEST WATER LEVEL 183.65 BELOW LSD, OCT. 8, 1968,
LOWEST WATER LEVEL 216.82 BELOW LSD, AUG. 31, 1982.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 1, 1981	214.92	MAR. 22, 1982	214.97	JUNE 14, 1982	215.75	AUG. 31, 1982	216.82

324917092242002 LOCAL WELL NUMBER: UN-81

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 21N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 495 FT, SCREENED 485-495. MP TOP OF CASING, 3.83 FT ABOVE LSD.
LSD 190.00 FT NGVD.
HIGHEST WATER LEVEL 182.27 BELOW LSD, MAR. 2, 1970,
LOWEST WATER LEVEL 220.36 BELOW LSD, AUG. 27, 1980.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 1, 1981	216.77	MAR. 22, 1982	215.50	JUNE 14, 1982	216.57	AUG. 31, 1982	217.65

325550092391601 LOCAL WELL NUMBER: UN-82

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 22N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 656 FT, SCREENED 646-656. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 122.00 FT NGVD.
HIGHEST WATER LEVEL 117.57 BELOW LSD, SEP. 9, 1968,
LOWEST WATER LEVEL 158.50 BELOW LSD, AUG. 31, 1982.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1981	150.94	MAR. 22, 1982	156.25	JUNE 14, 1982	157.15	AUG. 31, 1982	158.50

325550092391602 LOCAL WELL NUMBER: UN-83

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 22N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 326 FT, SCREENED 316-326. MP TOP OF CASING, 3.88 FT ABOVE LSD.
LSD 122.00 FT NGVD.
HIGHEST WATER LEVEL 111.29 BELOW LSD, OCT. 8, 1968,
LOWEST WATER LEVEL 154.93 BELOW LSD, DEC. 4, 1980.
RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1981	149.46	MAR. 22, 1982	149.90	JUNE 14, 1982	150.27	AUG. 31, 1982	150.21

325647092241501 LOCAL WELL NUMBER: UN-84

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 23N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 696 FT, SCREENED 686-696. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 196.09 BELOW LSD, OCT. 17, 1968.
LOWEST WATER LEVEL 224.48 BELOW LSD, AUG. 31, 1982.
RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1982	224.41	AUG. 31, 1982	224.48				

325938092203901 LOCAL WELL NUMBER: UN-85

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 23N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 407 FT, SCREENED 397-407. MP TOP OF CASING, 2.90 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 179.06 BELOW LSD, OCT. 17, 1968.
LOWEST WATER LEVEL 196.23 BELOW LSD, AUG. 31, 1982.
RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1982	195.22	AUG. 31, 1982	196.23				

325929092114001 LOCAL WELL NUMBER: UN-86

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 23N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 655 FT, SCREENED 645-655. MP TOP OF CASING, 1.58 FT ABOVE LSD.
LSD 90.00 FT NGVD.
HIGHEST WATER LEVEL 69.69 BELOW LSD, NOV. 12, 1968.
LOWEST WATER LEVEL 89.92 BELOW LSD, AUG. 31, 1982.
RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1982	89.22	AUG. 31, 1982	89.92				

325929092114002 LOCAL WELL NUMBER: UN-87

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 23N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 283 FT, SCREENED 273-283. MP TOP OF CASING, 4.35 FT ABOVE LSD.
LSD 90.00 FT NGVD.
HIGHEST WATER LEVEL 24.38 BELOW LSD, DEC. 16, 1968.
LOWEST WATER LEVEL 42.62 BELOW LSD, AUG. 31, 1982.
RECORDS AVAILABLE 1968-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1982	41.54	AUG. 31, 1982	42.62				

323655092211701 LOCAL WELL NUMBER: UN-134

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 19N., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 585 FT, SCREENED 575-585. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 220.00 FT NGVD.
HIGHEST WATER LEVEL 269.11 BELOW LSD, JUNE 14, 1979.
LOWEST WATER LEVEL 279.79 BELOW LSD, AUG. 31, 1982.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1981	278.15	FEB. 22, 1982	278.43	MAY 14, 1982	277.85	JULY 30, 1982	277.60
DEC. 1	278.49	MAR. 22	278.25	JUNE 22	278.71	AUG. 31	279.79
JAN. 5, 1982	278.47						

VERNON PARISH

310251093125501   LOCAL WELL NUMBER: V-108

OWNER: U. S. ARMY, FORT POLK. (SEC. 20, T. 1N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 8 IN, DEPTH 675 FT, SCREENED 640-675. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 305.27 FT NGVD.
HIGHEST WATER LEVEL 143.26 BELOW LSD, JULY 10, 1961,
LOWEST WATER LEVEL 214.14 BELOW LSD, JULY 25, 1981.
RECORDS AVAILABLE 1941, 1943, 1958-61, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1981	211.25H	JAN. 5, 1982	183.89	APR. 10, 1982	184.55	JULY 10, 1982	184.08
OCT. 5	210.36	JAN. 10	184.54	APR. 15	184.10	JULY 15	183.93
OCT. 7	211.35J	JAN. 15	185.94	APR. 16	184.23H	JULY 20	183.89
OCT. 10	210.95	JAN. 20	186.44H	APR. 18	182.99J	JULY 25	183.64
OCT. 15	210.80	JAN. 23	186.49J	APR. 20	184.22	JULY 31	183.67
OCT. 20	210.61	JAN. 25	186.08	APR. 24	185.09J	AUG. 5	183.20
OCT. 25	210.58	JAN. 31	185.32	APR. 25	184.74	AUG. 8	182.87J
OCT. 31	210.46	FEB. 5	185.48	APR. 30	184.62	AUG. 10	183.56
NOV. 5	208.84	FEB. 10	185.46	MAY 5	184.84	AUG. 13	184.39J
NOV. 10	208.84	FEB. 15	185.11	MAY 10	184.08	AUG. 15	183.77
NOV. 12	206.97H	FEB. 20	184.67	MAY 15	184.69	AUG. 19	183.55H
NOV. 15	206.06	FEB. 25	184.47	MAY 20	184.93H	AUG. 20	183.32
NOV. 20	205.26	FEB. 28	183.87	MAY 25	184.51	AUG. 21	183.33J
NOV. 25	204.83	MAR. 2	184.35H	MAY 31	185.68	AUG. 25	183.18
NOV. 30	202.98	MAR. 5	183.93	JUNE 5	186.24J	AUG. 31	182.87
DEC. 5	203.25	MAR. 7	183.56J	JUNE 10	186.10	SEP. 5	182.70
DEC. 10	202.44	MAR. 10	183.82	JUNE 15	185.30	SEP. 10	183.07
DEC. 13	182.93J	MAR. 15	183.76	JUNE 20	185.11	SEP. 15	182.80
DEC. 15	183.29	MAR. 20	184.38	JUNE 25	184.91	SEP. 20	182.10
DEC. 20	183.48	MAR. 25	183.98	JUNE 30	184.72	SEP. 25	180.65
DEC. 22	183.28H	MAR. 31	184.26	JULY 4	183.76J	SEP. 27	179.94J
DEC. 25	183.28	APR. 5	184.47	JULY 5	183.87	SEP. 30	180.77H
DEC. 30	183.28	APR. 7	184.92J	JULY 7	184.08H		

310708093100901   LOCAL WELL NUMBER: V-126

OWNER: U. S. ARMY, FORT POLK. (SEC. 27, T. 2N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 12 IN, DEPTH 1278 FT, SCREENED 1192-1278. MP TOP OF CASING, 2.00 FT ABOVE LSD.
LSD 338.00 FT NGVD.
HIGHEST WATER LEVEL 136.61 BELOW LSD, MAR. 5, 1943,
LOWEST WATER LEVEL 180.16 BELOW LSD, SEP. 26, 1982.
RECORDS AVAILABLE 1943, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1981	171.86H	DEC. 30, 1981	171.66	APR. 7, 1982	173.19J	JULY 5, 1982	172.27
OCT. 2	169.49J	JAN. 5, 1982	171.58	APR. 9	170.72J	JULY 7	172.84H
OCT. 5	173.03	JAN. 10	171.54	APR. 10	172.27	JULY 8	171.75J
OCT. 10	172.47	JAN. 12	169.93J	APR. 15	171.59	JULY 10	172.42
OCT. 12	176.50J	JAN. 14	173.90J	APR. 16	171.84H	JULY 15	174.33
OCT. 15	172.07	JAN. 15	173.28	APR. 20	172.39	JULY 20	175.94
OCT. 20	172.49	JAN. 20	172.04H	APR. 25	171.15	JULY 25	173.51
OCT. 25	171.12	JAN. 23	174.37J	APR. 30	172.22	JULY 31	174.99
OCT. 31	171.94	JAN. 25	172.17	MAY 4	170.17J	AUG. 5	177.53
NOV. 5	171.35	JAN. 31	171.15	MAY 5	171.08	AUG. 10	175.58
NOV. 10	171.96	FEB. 5	172.22	MAY 10	172.43	AUG. 14	178.86J
NOV. 12	171.20H	FEB. 10	172.49	MAY 13	172.72J	AUG. 15	176.95
NOV. 15	170.94	FEB. 15	172.14	MAY 15	172.51	AUG. 19	173.62H
NOV. 20	171.87	FEB. 20	172.51	MAY 20	170.28H	AUG. 20	173.36J
NOV. 21	169.75J	FEB. 25	172.77	MAY 25	171.22	AUG. 25	174.33
NOV. 25	171.64	FEB. 28	171.63	MAY 31	171.27	AUG. 31	176.30
NOV. 30	170.75	MAR. 2	172.04H	JUNE 5	169.80	SEP. 5	174.84
DEC. 5	171.38	MAR. 5	171.95	JUNE 10	169.95	SEP. 10	178.18
DEC. 10	171.13	MAR. 10	172.41	JUNE 12	169.54J	SEP. 15	176.30
DEC. 15	171.95	MAR. 15	172.56	JUNE 15	171.64	SEP. 20	174.18
DEC. 19	173.44J	MAR. 20	172.73	JUNE 20	172.95	SEP. 25	174.98
DEC. 20	172.58	MAR. 25	171.70	JUNE 25	173.09	SEP. 26	180.16J
DEC. 22	171.52H	MAR. 31	172.15	JUNE 30	173.35	SEP. 30	175.67H
DEC. 25	172.29	APR. 5	171.99	JULY 2	178.74J		

See footnotes at end of table.

311213093322801 LOCAL WELL NUMBER: V-412

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 47 FT, SCREENED 42-47. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 121.00 FT NGVD.
HIGHEST WATER LEVEL 10.90 BELOW LSD, AUG. 12, 1975.
LOWEST WATER LEVEL 14.25 BELOW LSD, DEC. 5, 1967.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1981	12.38	MAR. 1, 1982	12.80	MAY 27, 1982	12.25	AUG. 24, 1982	12.65
DEC. 18	12.67	APR. 14	12.77	JULY 14	12.47	SEP. 21	12.70
JAN. 25, 1982	13.10						

311213093322802 LOCAL WELL NUMBER: V-413

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 360 FT, SCREENED 355-360. MP TOP OF CASING, 2.70 FT ABOVE LSD.
LSD 120.00 FT NGVD.
HIGHEST WATER LEVEL 31.40 ABOVE LSD, MAY 25, 1976.
LOWEST WATER LEVEL 23.20 ABOVE LSD, AUG. 24, 1982.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1981	* 25.70	MAR. 1, 1982	* 25.60	MAY 27, 1982	* 25.40	AUG. 24, 1982	* 23.20
DEC. 18	* 25.70	APR. 30	* 25.80	JULY 14	* 24.70	SEP. 21	* 23.60
JAN. 25, 1982	* 24.50						

311411093323601 LOCAL WELL NUMBER: V-414

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 172 FT, SCREENED 167-172. MP TOP OF CASING, 1.20 FT ABOVE LSD.
LSD 160.00 FT NGVD.
HIGHEST WATER LEVEL 34.61 BELOW LSD, MAY 19, 1975.
LOWEST WATER LEVEL 42.07 BELOW LSD, OCT. 28, 1965.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1981	40.70	MAR. 1, 1982	39.27	MAY 27, 1982	37.90	AUG. 24, 1982	40.00
DEC. 18	40.79	APR. 14	39.77	JULY 14	39.21	SEP. 21	40.44
JAN. 25, 1982	40.59						

311201093080203 LOCAL WELL NUMBER: V-425R

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 1404 FT, SCREENED 1394-1404. MP TOP OF BUSHING, 3.90 FT ABOVE LSD.
LSD 305.00 FT NGVD.
HIGHEST WATER LEVEL 164.66 BELOW LSD, JAN. 31, 1980.
LOWEST WATER LEVEL 167.83 BELOW LSD, SEP. 28, 1982.
RECORDS AVAILABLE 1968-75, 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1981	167.33	JAN. 20, 1982	167.32	APR. 12, 1982	167.47	AUG. 19, 1982	167.73
DEC. 10	167.46	MAR. 1	167.30	MAY 20	167.43	SEP. 28	167.83

311201093080202 LOCAL WELL NUMBER: V-426

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 915 FT, SCREENED 905-915. MP TOP OF CASING, 3.40 FT ABOVE LSD.
LSD 305.00 FT NGVD.
HIGHEST WATER LEVEL 112.08 BELOW LSD, NOV. 21, 1969.
LOWEST WATER LEVEL 132.42 BELOW LSD, DEC. 10, 1981.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1981	132.35	MAR. 1, 1982	132.23	MAY 20, 1982	132.11	AUG. 19, 1982	131.76
DEC. 10	132.42	APR. 12	132.15	JULY 7	131.96	SEP. 28	130.87
JAN. 20, 1982	132.13						

WEBSTER PARISH

325752093271801 LOCAL WELL NUMBER: WB-27

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 23N., R. 11W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 18 TO 12 IN, DEPTH 311 FT, SCREENED 231-311. MP TOP OF CASING, 0.22 FT ABOVE LSD.
LSD 245.00 FT NGVD.
HIGHEST WATER LEVEL 52.00 BELOW LSD, OCT. 7, 1937.
LOWEST WATER LEVEL 169.20 BELOW LSD, OCT. 18, 1947.
RECORDS AVAILABLE 1937, 1947-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1981	56.26	JAN. 20, 1982	56.02	MAY 13, 1982	55.05	JULY 29, 1982	54.90
DEC. 8	56.90	APR. 15	54.61	JUNE 23	55.41	AUG. 31	54.51

324612093230701 LOCAL WELL NUMBER: WB-96

OWNER: COTTON VALLEY OIL CO. (SEC. 34, T. 21N., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN SAND OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 89 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1-IN AIR LINE, 3.00 FT ABOVE LSD.
LSD 218.00 FT NGVD.
HIGHEST WATER LEVEL 18.99 BELOW LSD, JULY 16, 1975.
LOWEST WATER LEVEL 36.18 BELOW LSD, SEP. 11, 1967.
RECORDS AVAILABLE 1948-67, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 20, 1982	34.53	AUG. 31, 1982	35.76				

323553093141101 LOCAL WELL NUMBER: WB-285

OWNER: U. S. GEOL. SURVEY. (SEC. 31, T. 19N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 4 TO 2 IN, DEPTH 608 FT, SCREENED 598-608. MP HOLE IN CASING CAP, 3.85 FT ABOVE LSD.
LSD 340.00 FT NGVD.
HIGHEST WATER LEVEL 151.67 BELOW LSD, APR. 14, 1970.
LOWEST WATER LEVEL 190.99 BELOW LSD, AUG. 30, 1982.
RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 20, 1982	180.45	AUG. 30, 1982	190.99				

325200093151701 LOCAL WELL NUMBER: WB-326

OWNER: U. S. GEOL. SURVEY. (SEC. 25, T. 22N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 470 FT, SCREENED 460-470. MP TOP OF BUSHING, 3.20 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 106.99 BELOW LSD, JUNE 4, 1976.
LOWEST WATER LEVEL 113.56 BELOW LSD, AUG. 30, 1982.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1981	113.12	MAR. 20, 1982	112.51	JUNE 8, 1982	113.09	AUG. 30, 1982	113.56

330040093190001 LOCAL WELL NUMBER: WB-338

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 23N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 425 FT, SCREENED 415-425. MP TOP OF CASING, 3.70 FT ABOVE LSD.
LSD 230.00 FT NGVD.
HIGHEST WATER LEVEL 90.38 BELOW LSD, MAR. 15, 1977.
LOWEST WATER LEVEL 100.06 BELOW LSD, DEC. 6, 1979.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 20, 1982	92.86	JUNE 8, 1982	93.33	AUG. 31, 1982	93.58		

WEBSTER PARISH

324528093153501 LOCAL WELL NUMBER: WB-398

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 20N.,R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 560 FT, SCREENED 550-560. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 260.00 FT NGVD.
HIGHEST WATER LEVEL 100.10 BELOW LSD, JULY 19, 1979,
LOWEST WATER LEVEL 103.12 BELOW LSD, AUG. 30, 1982.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1981	101.93	MAR. 20, 1982	102.02	JUNE 8, 1982	102.27	AUG. 30, 1982	103.12

325518093221901 LOCAL WELL NUMBER: WB-399

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 22N.,R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 298 FT, SCREENED 288-298. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 205.00 FT NGVD.
HIGHEST WATER LEVEL 44.00 BELOW LSD, MAY 13, 1980,
LOWEST WATER LEVEL 46.34 BELOW LSD, NOV. 3, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 8, 1981	44.97	MAR. 20, 1982	44.65	JUNE 8, 1982	45.25	AUG. 31, 1982	46.15

WEST CARROLL PARISH

324508091252301 LOCAL WELL NUMBER: WC-36

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 20N., R. 10E.) DRILLED OBSERVATION ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 4 IN, DEPTH 383 FT, SCREENED 377-383. MP TOP OF CASING COLLAR, 1.10 FT ABOVE LSD.
LSD 106.35 FT NGVD.
HIGHEST WATER LEVEL 28.13 BELOW LSD, MAR. 19, 1963,
LOWEST WATER LEVEL 32.39 BELOW LSD, MAR. 9, 1971, SEP. 7, 1972.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 9, 1982	31.99						

WINN PARISH

315524092381301 LOCAL WELL NUMBER: W-3

OWNER: CITY OF WINNFIELD. (SEC. 23, T. 11N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 8 IN, DEPTH APPROXIMATELY 120 FT, SCREENED 100-120. MP TOP EDGE OF SHELTER FLOOR, 2.20 FT ABOVE LSD.
LSD 135.00 FT NGVD.
HIGHEST WATER LEVEL 14.93 BELOW LSD, MAY 7, 1961,
LOWEST WATER LEVEL 30.32 BELOW LSD, DEC. 1, 1949.
RECORDS AVAILABLE 1949, 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1981	18.98	MAR. 8, 1982	18.46	JUNE 2, 1982	18.25	SEP. 1, 1982	18.98

315525092375601 LOCAL WELL NUMBER: W-16

OWNER: CITY OF WINNFIELD. (SEC. 24, T. 11N., R. 3W.) DRILLED UNUSED ARTESIAN WELL IN THE COCKFIELD FM. OF EOCENE AGE, DIAM 8 IN, DEPTH 583 FT, SCREENED 553-583. MP TOP OF CASING, AT LSD.
LSD 135.00 FT NGVD.
HIGHEST WATER LEVEL 48.00 BELOW LSD, MAY 27, 1952,
LOWEST WATER LEVEL 85.05 BELOW LSD, JUNE 20, 1970.
RECORDS AVAILABLE 1952, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13, 1981	77.46	JAN. 11, 1982	75.27	MAY 10, 1982	75.23	JULY 27, 1982	81.49
NOV. 4	75.15	FEB. 24	77.28	JUNE 22	77.59	SEP. 1	81.42
DEC. 14	74.29	APR. 13	74.56				

WINN PARISH

315450092310102 LOCAL WELL NUMBER: W-144R

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 19, T. 11N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 550 FT, SCREENED 540-550. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 35.84 BELOW LSD, SEP. 1, 1982,
LOWEST WATER LEVEL 58.33 BELOW LSD, NOV. 5, 1971.
RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1982	35.90	SEP. 1, 1982	35.84				

320619092341601 LOCAL WELL NUMBER: W-156

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 13N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 829 FT, SCREENED 819-829. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 257.00 FT NGVD.
HIGHEST WATER LEVEL 196.18 BELOW LSD, MAR. 25, 1976,
LOWEST WATER LEVEL 201.53 BELOW LSD, SEP. 4, 1980.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1981	200.38	MAR. 8, 1982	200.03	JUNE 2, 1982	200.27	SEP. 1, 1982	201.35

320541092291601 LOCAL WELL NUMBER: W-172

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 13N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 655 FT, SCREENED 645-655. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 81.68 BELOW LSD, MAR. 2, 1979,
LOWEST WATER LEVEL 84.34 BELOW LSD, SEP. 1, 1982.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1982	83.82	SEP. 1, 1982	84.34				

315338092400001 LOCAL WELL NUMBER: W-177

OWNER: U. S. GEOL. SURVEY. (SEC. 34, T. 11N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 695 FT, SCREENED 685-695. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 185.00 FT NGVD.
HIGHEST WATER LEVEL 57.38 BELOW LSD, MAY 10, 1982,
LOWEST WATER LEVEL 62.48 BELOW LSD, FEB. 21, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13, 1981	60.02	JAN. 11, 1982	59.72	MAY 10, 1982	57.38	JULY 27, 1982	59.48
NOV. 4	59.97	FEB. 24	59.67	JUNE 21	59.21	SEP. 1	59.87
DEC. 14	59.84	APR. 13	59.28				

320040092392101 LOCAL WELL NUMBER: W-178

OWNER: U. S. GEOL. SURVEY. (SEC. 22, T. 12N., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 598 FT, SCREENED 588-598. MP TOP OF BUSHING, 5.00 FT ABOVE LSD.
LSD 135.00 FT NGVD.
HIGHEST WATER LEVEL 64.70 BELOW LSD, MAY 19, 1980,
LOWEST WATER LEVEL 70.66 BELOW LSD, OCT. 13, 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13, 1981	70.66	JAN. 11, 1982	67.41	APR. 13, 1982	68.60	JULY 27, 1982	70.51
NOV. 4	68.93	FEB. 24	68.18	JUNE 21	69.75	SEP. 1	70.61
DEC. 14	67.62						

315948092300301 LOCAL WELL NUMBER: W-179

OWNER: U. S. GEOL. SURVEY. (SEC. 29, T. 12N., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN, DEPTH 585 FT, SCREENED 575-585. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 195.00 FT NGVD.
HIGHEST WATER LEVEL 105.68 BELOW LSD, MAR. 8, 1982.
LOWEST WATER LEVEL 106.89 BELOW LSD, SEP. 5, 1980.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1982	105.68	SEP. 1, 1982	106.12				

+ Above land-surface datum.
A Well being pumped.
C Nearby well or wells being pumped.
D Nearby well or wells pumped recently.
E Estimated.
H Tape measurement (recorder).
J Recorder measurement for a time other than noon.

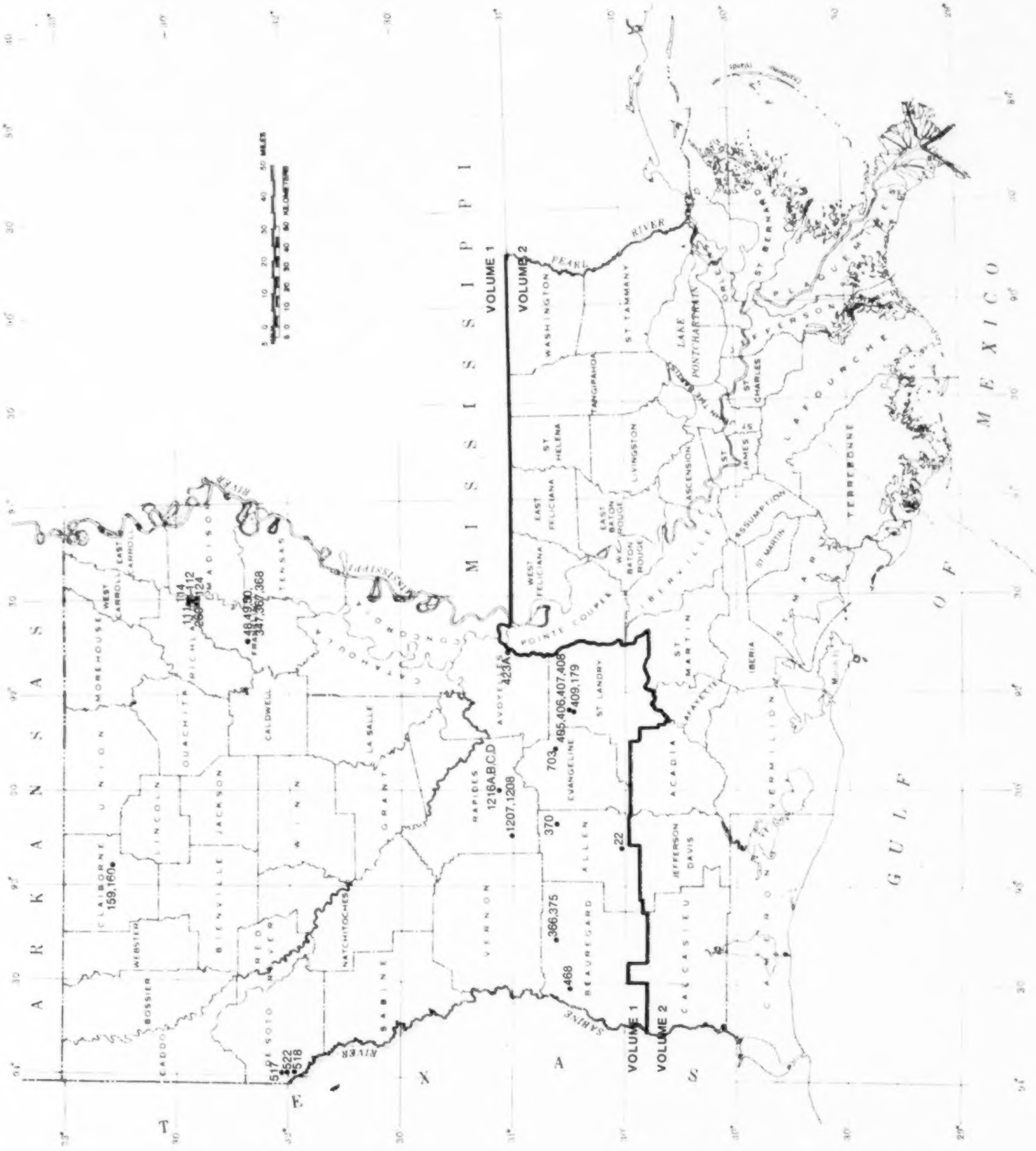

ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
VOLUME 1
VOLUME 2
0 10 20 30 40 50 MILES
0 10 20 30 40 50 60 70 80 KILOMETERS
CADDO
BOSSIER
WEBSTER
CLAIBORNE
159,160
UNION
MOREHOUSE
WEST CARROLL
EAST CARROLL
LINCOLN
OUACHITA
RICHLAND
111,124
112
MADISON
JACKSON
BIENVILLE
FRANKLIN
48,49,50
347,367,368
TENSAS
CALDWELL
DE SOTO
517
522
518
RED RIVER
NATCHITOCHES
WINN
GRANT
LA SALLE
CATAHOULA
CONCORDIA
AVOYELLES
423A
SABINE
RAPIDES
1216A,B,C,D
1207,1208
VERNON
BEAUREGARD
366,375
468
ALLEN
370
22
EVANGELINE
703
405,406,407,408
409,179
ST LANDRY
POINTE COUPEE
WEST FELICIANA
EAST FELICIANA
ST HELENA
TANGIPAHOA
WASHINGTON
ST TAMMANY
LIVINGSTON
EAST BATON ROUGE
WEST BATON ROUGE
IBERVILLE
ASCENSION
ST JAMES
ST JOHN
ST CHARLES
ORLEANS
ST BERNARD
PLAQUEMINES
JEFFERSON
LAKE PONTCHARTRAIN
LAFOURCHE
TERREBONNE
ASSUMPTION
ST MARTIN
ST MARY
IBERIA
LAFAYETTE
ACADIA
VERMILION
JEFFERSON DAVIS
CALCASIEU
CAMERON
SABINE RIVER
PEARL RIVER
MISSISSIPPI RIVER

Figure 8.--Location of wells for which water-quality data are included.

QUALITY OF GROUND WATER

COMPLETE CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1981 TO SEPTEMBER 1982

WELL NO.	LOCATION T.	R.	SEC.	STATION NUMBER	GEO-LOGIC UNIT 1/	DEPTH OF WELL (FEET)	DATE OF SAMPLE	TIME	SPE-CIFIC CON-DUCT-ANCE, FIELD (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
ALLEN PARISH												
2/AL- 370	3S	3W	3	304910092400301	121EVGL	682	82-04-15	1520	304	7.9	23.5	5
AVOYELLES PARISH												
AV- 423A	1S	7E	5	310012091470202	121BLCK	300	81-10-30	1230	431	8.0	--	0
BEAUREGARD PARISH												
2/BE- 366	3S	9W	4	304934093170801	122JSPR	1207	82-05-12	1000	340	8.2	27.0	0
2/BE- 375	2S	9W	33	305022093174001	112CHCT	173	82-02-18	--	71	6.2	20.5	0
2/BE- 468	3S	12W	36	301521093324201	121EVGL	394	82-05-12	1500	280	7.0	22.0	0
CLAIBORNE PARISH												
CL- 159	21N	5W	19	324806092552601	124SPRT	623	82-03-11	1230	271	8.0	24.5	20
CL- 160	21N	6W	14	324817092575702	124SPRT	668	82-03-22	1400	272	7.2	24.0	5
DE SOTO PARISH												
2/DS- 517	12N	16W	14	320153093583601	124WLCX	131	82-09-03	1200	1160	8.7	21.5	15
DS- 518	11N	16W	11	315704093590301	112UPTC	28	82-09-01	1245	67	5.4	19.5	40
2/DS- 522	12N	16W	26	315945093581501	124WLCX	240	82-09-02	1200	2510	8.7	21.0	20
EVANGELINE PARISH												
2/EV- 703	3S	2E	16	304721092162401	112CHCT	208	82-04-16	--	402	6.5	22.0	5
RAPIDES PARISH												
R-1207	1S	4W	1	310007092431601	122CRNB	2772	81-12-01	1300	710	8.9	--	0
R-1208	1S	4W	1	310007092431602	112UPTC	117	81-10-26	1030	54	--	--	0
R-1216A	1N	1W	18	310336092303904	121BLCK	290	82-03-26	1300	85	5.7	21.5	0
R-1216B	1N	1W	18	310336092303903	121BLCK	429	82-03-10	1200	118	7.6	22.0	0
R-1216C	1N	1W	18	310336092303902	122WMCK	815	82-02-25	1330	640	8.5	25.5	5
R-1216D	1N	1W	18	310336092303901	122WMCK	940	82-02-17	1400	730	8.6	26.5	5
ST. LANDRY PARISH												
3/SL- 179	4S	3E	40	304116092083601	112CHCT	94	82-05-13	1700	574	--	--	<1
3/SL- 405	3S	3E	36	304506092064001	112ALVL	135	82-05-13	1200	1560	6.9	--	1
3/SL- 406	4S	3E	1	304430092063901	112ALVL	124	82-05-12	1330	1640	6.9	20.5	<1
3/SL- 407	4S	3E	1	304359092063801	112ALVL	83	82-03-24	1445	1420	7.4	--	10
3/SL- 408	4S	3E	1	304408092073501	112ALVL	62	82-05-12	1300	1310	6.9	20.0	<1
3/SL- 409	4S	3E	15	304251092073601	112CHCT	83	82-05-13	1415	733	6.9	20.5	5

1/See explanation of geologic unit (aquifer) at end of following table.
2/See third table for minor elements.
3/See third and fourth tables for minor elements and pesticides.

< Actual value is known to be less than the value shown.

COMPLETE CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1981 TO SEPTEMBER 1982

WELL NO.	LOCATION T.	LOCATION R.	LOCATION SEC.	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM, DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, FIELD (MG/L AS CACO3)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
ALLEN PARISH--Continued													
AL- 370	3S	3W	3	82-04-15	--	--	.8	<.1	82	.3	160	1.0	5.4
AVOYELLES PARISH--Continued													
AV- 423A	1S	7E	5	81-10-30	43	0	15	1.3	76	2.7	162	3.2	38
BEAUREGARD PARISH--Continued													
BE- 366	3S	9W	4	82-05-12	6	--	2.1	.2	90	.5	192	8.8	5.0
BE- 375	2S	9W	33	82-02-18	11	0	3.0	.8	9.9	1.9	30	2.0	7.2
BE- 468	3S	12W	36	82-05-12	22	0	7.8	.6	59	.8	134	7.0	4.4
CLAIBORNE PARISH--Continued													
CL- 159	21N	5W	19	82-03-11	1	0	.2	.1	68	.7	127	17	5.1
CL- 160	21N	6W	14	82-03-22	2	0	.1	.4	64	1.1	107	21	4.9
DE SOTO PARISH--Continued													
DS- 517	12N	16W	14	82-09-03	12	0	3.6	.7	280	3.2	486	1.0	85
DS- 518	11N	16W	11	82-09-01	7	0	1.6	.7	6.0	1.0	14	1.0	4.7
DS- 522	12N	16W	26	82-09-02	6	0	2.0	.2	600	4.3	582	3.0	490
EVANGELINE PARISH--Continued													
EV- 703	3S	2E	16	82-04-16	180	--	50	14	21	.8	209	2.0	9.2
RAPIDES PARISH--Continued													
R-1207	1S	4W	1	81-12-01	4	0	1.1	.3	160	1.9	326	11	8.0
R-1208	1S	4W	1	81-10-26	10	0	1.9	1.3	8.0	1.3	20	.2	4.1
R-1216A	1N	1W	18	82-03-26	21	0	6.9	.9	11	1.6	33	8.2	4.1
R-1216B	1N	1W	18	82-03-10	23	0	6.4	1.7	16	1.9	55	8.4	3.2
R-1216C	1N	1W	18	82-02-25	7	0	2.0	.5	160	1.5	333	1.2	16
R-1216D	1N	1W	18	82-02-17	6	0	2.2	.1	170	1.5	358	1.2	17
ST. LANDRY PARISH--Continued													
SL- 179	4S	3E	40	82-05-13	220	0	55	20	37	6.7	285	3.0	23
SL- 405	3S	3E	36	82-05-13	490	0	120	45	150	3.0	605	2.0	180
SL- 406	4S	3E	1	82-05-12	500	0	130	43	150	4.0	619	5.0	180
SL- 407	4S	3E	1	82-03-24	480	0	110	48	120	2.9	567	5.0	140
SL- 408	4S	3E	1	82-05-12	410	0	99	40	100	3.0	531	3.0	120
SL- 409	4S	3E	15	82-05-13	240	0	62	20	58	1.3	303	8.0	50

COMPLETE CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1981 TO SEPTEMBER 1982

WELL NO.	LOCATION			DATE OF SAMPLE	FLUORIDE, DISSOLVED (MG/L AS F)	BROMIDE, DISSOLVED (MG/L AS BR)	IODIDE, DISSOLVED (MG/L AS I)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C, DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE, TOTAL (MG/L AS NO3)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
	T.	R.	SEC.										
ALLEN PARISH--Continued													
AL- 370	3S	3W	3	82-04-15	.4	.5	.01	17	197	--	.61	10	<3
AVOYELLES PARISH--Continued													
AV- 423A	1S	7E	5	81-10-30	.0	--	--	13	250	248	.37	40	83
BEAUREGARD PARISH--Continued													
BE- 366	3S	9W	4	82-05-12	.5	<.1	.01	16	207	238	--	60	3
BE- 375	2S	9W	33	82-02-18	<.1	<.1	.01	46	88	89	--	10	4
BE- 468	3S	12W	36	82-05-12	.3	<.1	.01	21	177	181	--	20	8
CLAIBORNE PARISH--Continued													
CL- 159	21N	5W	19	82-03-11	.3	--	--	15	183	183	.64	40	0
CL- 160	21N	6W	14	82-03-22	.3	--	--	27	181	184	.72	160	0
DE SOTO PARISH--Continued													
DS- 517	12N	16W	14	82-09-03	2.1	--	--	11	688	684	.24	30	5
DS- 518	11N	16W	11	82-09-01	.1	--	--	30	62	54	.45	3000	250
DS- 522	12N	16W	26	82-09-02	3.2	--	--	12	1500	1470	.40	40	10
EVANGELINE PARISH-- Continued													
EV- 703	3S	2E	16	82-04-16	.2	<.1	.01	44	254	266	.87	710	210
RAPIDES PARISH--Continued													
R-1207	1S	4W	1	81-12-01	.8	--	--	57	440	436	.34	10	0
R-1208	1S	4W	1	81-10-26	.0	--	--	38	71	67	.63	0	20
R-1216A	1N	1W	18	82-03-26	.3	--	--	60	111	114	1.1	360	50
R-1216B	1N	1W	18	82-03-10	.4	--	--	62	133	134	.75	450	44
R-1216C	1N	1W	18	82-02-25	1.9	--	--	13	398	396	.39	30	0
R-1216D	1N	1W	18	82-02-17	2.2	--	--	14	432	424	.54	30	0
ST. LANDRY PARISH--Continued													
SL- 179	4S	3E	40	82-05-13	.3	--	--	28	--	344	--	50	220
SL- 405	3S	3E	36	82-05-13	.3	--	--	31	--	894	--	3200	200
SL- 406	4S	3E	1	82-05-12	.2	--	--	35	--	919	--	2600	220
SL- 407	4S	3E	1	82-03-24	.2	--	--	20	833	788	--	9100	830
SL- 408	4S	3E	1	82-05-12	.2	--	--	23	--	707	--	11000	140
SL- 409	4S	3E	15	82-05-13	.3	--	--	30	--	412	--	40	680

PARTIAL CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1981 TO SEPTEMBER 1982

WELL NO.	LOCATION			STATION NUMBER	GEO-LOGIC UNIT 1/	DEPTH OF WELL (FEET)	DATE OF SAMPLE	TIME	SPE-CIFIC CON-DUCT-ANCE, FIELD (UMHOS)	HARD-NESS (MG/L AS CACO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
	T.	R.	SEC.									
ALLEN PARISH												
2/AL- 22	6S	4W	20	303039092480701	112CHCT	271	82-05-11	1600	158	32	--	--
FRANKLIN PARISH												
FR- 48	14N	7E	26	321006091431801	112MRVA	80	82-04-26	1135	860	260	25	84
FR- 49	14N	7E	26	321008091431701	112MRVA	80	82-04-26	1200	1180	360	11	220
FR- 50	14N	7E	26	321006091431501	112MRVA	80	82-04-26	1045	1260	240	19	130
FR- 347	14N	7E	26	321014091431701	112MRVA	82	82-04-26	1115	892	270	18	140
							82-09-22	0900	--	--	--	130
FR- 367	14N	7E	26	321021091432401	112MRVA	93	82-04-26	1100	620	210	--	62
FR- 368	14N	7E	26	321011091431701	112MRVA	79	82-04-26	1120	1270	300	27	250
							82-09-22	0930	--	--	--	240
RICHLAND PARISH												
RI- 111	17N	9E	23	322634091303901	112MRVA	67	82-04-26	1330	1360	400	38	190
							82-09-22	1130	--	--	--	160
RI- 112	17N	9E	24	322623091294901	112MRVA	67	82-04-26	1300	1810	300	9.8	420
							82-09-22	1035	--	--	--	390
RI- 114	17N	9E	24	322636091295702	112MRVA	66	82-04-26	1400	1590	290	16	360
							82-09-22	1100	--	--	--	250
RI- 124	17N	9E	25	322605091301101	112MRVA	84	82-04-26	1430	1300	510	22	190
							82-09-22	1000	--	--	--	220
RI- 260	17N	9E	26	322605091303501	112MRVA	70	82-04-26	1500	1700	540	--	340
							82-09-22	1020	--	--	--	360

1/GEOLOGIC UNIT (AQUIFER):
112ALVL-Alluvial aquifers, undifferentiated, Pleistocene age.
112CHCT-Chicot aquifer, Pleistocene age.
112MRVA-Mississippi River alluvial aquifer, Pleistocene age.
112UPTC-Upland terrace deposits, Pleistocene age.
121BLCK-Blounts Creek Member of Fleming Formation, Pliocene age.
121EVGL-Evangeline aquifer, Pliocene-Miocene age.
122CRNB-Carnahan Bayou Member of Fleming Formation, Miocene age.
122JSPR-Jasper aquifer, Miocene age.
122WMCK-Williamson Creek Member of Fleming Formation, Miocene age.
124SPRT-Sparta sand, Eocene age.
124WLCX-Wilcox Group, Eocene age.

2/Total iron (Fe), 5000 ug/L.

QUALITY OF GROUND WATER

MINOR ELEMENTS, OCTOBER 1981 TO SEPTEMBER 1982

WELL NO.	LOCATION			STATION NUMBER	DATE OF SAMPLE	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ANTI-MONY, DIS-SOLVED (UG/L AS SB)	ARSENIC, DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	BORON, DIS-SOLVED (UG/L AS B)
	T.	R.	SEC.									
					ALLEN PARISH							
AL- 370	3S	3W	3	304910092400301	82-04-15	--	--	--	1	14	<0.5	130
					BEAUREGARD PARISH							
BE- 366	3S	9W	4	304934093170801	82-05-12	<.06	--	--	1	17	<1	90
BE- 375	2S	9W	33	305022093174001	82-02-18	<.06	--	--	1	80	<1	20
BE- 468	3S	12W	36	301521093324201	82-05-12	<.06	--	--	3	62	1	70
					DE SOTO PARISH							
DS- 517	12N	16W	14	320153093583601	82-09-03	--	30	1	1	77	<1	--
DS- 522	12N	16W	26	315945093581501	82-09-02	--	30	<1	1	100	<10	--
					EVANGELINE PARISH							
EV- 703	3S	2E	16	304721092162401	82-04-16	<.06	--	--	1	160	<0.5	20
					ST. LANDRY PARISH							
SL- 179	4S	3E	40	304116092083601	82-05-13	--	<10	--	1	--	--	<10
SL- 405	3S	3E	36	304506092064001	82-05-13	--	<100	--	1	--	--	100
SL- 406	4S	3E	1	304430092063901	82-05-12	--	<100	--	1	--	--	100
SL- 407	4S	3E	1	304359092063801	82-03-24	--	200	--	200	--	--	1800
SL- 408	4S	3E	1	304408092073501	82-05-12	--	<10	--	2	--	--	70
SL- 409	4S	3E	15	304251092073601	82-05-13	--	<10	--	2	--	--	<10

WELL NO.	LOCATION			DATE OF SAMPLE	CADMIUM, DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM, DIS-SOLVED (UG/L AS LI)	MERCURY, DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)
	T.	R.	SEC.										
							ALLEN PARISH--Continued						
AL- 370	3S	3W	3	82-04-15	<1	10	<3	<10	<10	7	<.1	<10	--
							BEAUREGARD PARISH--Continued						
BE- 366	3S	9W	4	82-05-12	<1	<10	<3	20	<10	11	.1	<10	10
BE- 375	2S	9W	33	82-02-18	<1	10	<3	<10	<10	<4	<.1	<10	10
BE- 468	3S	12W	36	82-05-12	1	<10	3	10	10	13	<.1	10	3
							DE SOTO PARISH--Continued						
DS- 517	12N	16W	14	82-09-03	<1	10	<1	6	5	21	.1	<1	<1
DS- 522	12N	16W	26	82-09-02	<1	10	<1	5	5	60	.2	5	1
							EVANGELINE PARISH--Continued						
EV- 703	3S	2E	16	82-04-16	<1	10	<3	<10	<10	10	<.1	<10	3
							ST. LANDRY PARISH--Continued						
SL- 179	4S	3E	40	82-05-13	1	<10	--	3	2	--	.8	<1	2
SL- 405	3S	3E	36	82-05-13	1	<10	--	1	4	--	.7	<1	1
SL- 406	4S	3E	1	82-05-12	1	10	--	2	10	--	.3	<1	<1
SL- 407	4S	3E	1	82-03-24	1	10	--	310	6	--	2.1	1	14
SL- 408	4S	3E	1	82-05-12	1	10	--	2	7	--	.3	<1	4
SL- 409	4S	3E	15	82-05-13	1	<10	--	2	4	--	.8	1	3

WELL NO.	LOCATION			DATE OF SAMPLE	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC, TOTAL (MG/L AS C)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)
	T.	R.	SEC.										
ALLEN PARISH--Continued													
AL- 370	3S	3W	3	82-04-15	<1	--	13	<6.0	<3	.6	--	--	--
BEAUREGARD PARISH--Continued													
BE- 366	3S	9W	4	82-05-12	<1	--	19	<6.0	<4	.1	--	--	--
BE- 375	2S	9W	33	82-02-18	<1	--	51	<6.0	8	.1	--	--	--
BE- 468	3S	12W	36	82-05-12	<1	--	54	6.0	4	.1	--	--	--
DE SOTO PARISH--Continued													
DS- 517	12N	16W	14	82-09-03	<1	1	--	--	70	--	<20	<11	<11
DS- 522	12N	16W	26	82-09-02	<1	2	--	--	<10	--	<39	<27	<25
EVANGELINE PARISH--Continued													
EV- 703	3S	2E	16	82-04-16	<1	--	160	<6.0	57	3.7	--	--	--
ST. LANDRY--Continued													
SL- 179	4S	3E	40	82-05-13	--	--	--	--	37	--	--	--	--
SL- 405	3S	3E	36	82-05-13	--	--	--	--	1100	2.2	--	--	--
SL- 406	4S	3E	1	82-05-12	--	--	--	--	730	--	--	--	--
SL- 407	4S	3E	1	82-03-24	--	--	--	--	280	4.6	--	--	--
SL- 408	4S	3E	1	82-05-12	--	--	--	--	140	--	--	--	--
SL- 409	4S	3E	15	82-05-13	--	--	--	--	360	.8	--	--	--

< Actual value is known to be less than the value shown.

QUALTIY OF GROUND WATER

PESTICIDES, OCTOBER 1981 TO SEPTEMBER 1982

ST. LANDRY PARISH

WELL NO.	LOCATION T.	R.	SEC.	STATION NUMBER	DATE OF SAMPLE	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR., TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
SL- 179	4S	3E	40	304116092083601	82-05-13	<.10	<.10	<.001	<.10	<.001	<.001	<.001
SL- 405	3S	3E	36	304506092064001	82-05-13	<.10	<.10	<.001	<.10	<.001	<.001	<.001
SL- 406	4S	3E	1	304430092063901	82-05-12	<.10	<.10	<.001	<.10	<.001	<.001	<.001
SL- 407	4S	3E	1	304359092063801	82-03-24	<.10	<.10	<.001	<.10	<.001	<.001	<.001
SL- 408	4S	3E	1	304408092073501	82-05-12	<.10	<.10	<.001	<.10	<.001	<.001	<.001
SL- 409	4S	3E	15	304251092073601	82-05-13	<.10	<.10	<.001	<.10	<.001	<.001	<.001

ST. LANDRY PARISH--Continued

WELL NO.	LOCATION T.	R.	SEC.	DATE OF SAMPLE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE, TOTAL (UG/L)	LINDANE, TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)
SL- 179	4S	3E	40	82-05-13	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01
SL- 405	3S	3E	36	82-05-13	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01
SL- 406	4S	3E	1	82-05-12	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01
SL- 407	4S	3E	1	82-03-24	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01
SL- 408	4S	3E	1	82-05-12	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01
SL- 409	4S	3E	15	82-05-13	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01

ST. LANDRY PARISH--Continued

WELL NO.	LOCATION T.	R.	SEC.	DATE OF SAMPLE	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TRI-THION, TOTAL (UG/L)
SL- 179	4S	3E	40	82-05-13	<.01	<.01	<.01	<.01	<.01	<.10	<1	<.01
SL- 405	3S	3E	36	82-05-13	<.01	<.01	<.01	<.01	<.01	<.10	<1	<.01
SL- 406	4S	3E	1	82-05-12	<.01	<.01	<.01	<.01	<.01	<.10	<1	<.01
SL- 407	4S	3E	1	82-03-24	<.01	<.01	<.01	<.01	<.01	<.10	<1	<.01
SL- 408	4S	3E	1	82-05-12	<.01	<.01	<.01	<.01	<.01	<.10	<1	<.01
SL- 409	4S	3E	15	82-05-13	<.01	<.01	<.01	<.01	<.01	<.10	<1	<.01

ST. LANDRY PARISH--Continued

WELL NO.	LOCATION T.	R.	SEC.	DATE OF SAMPLE	2,4-D, TOTAL (UG/L)	2, 4-DP, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
SL- 179	4S	3E	40	82-05-13	<.01	<.01	<.01	<.01
SL- 405	3S	3E	36	82-05-13	<.01	<.01	<.01	<.01
SL- 406	4S	3E	1	82-05-12	<.01	<.01	<.01	<.01
SL- 407	4S	3E	1	82-03-24	<.01	<.01	<.01	<.01
SL- 408	4S	3E	1	82-05-12	<.01	<.01	<.01	<.01
SL- 409	4S	3E	15	82-05-13	<.01	<.01	<.01	<.01

< Actual value is known to be less than the value shown.

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons